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Water Resources Data for Georgia
Water Year 1980

(U.S.) Geological Survey
Doraville, GA

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U.S. Department of Commerce
National Technical Information Service
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DEPARTMENT OF THE INTERIOR
March 3, 1849

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Water Resources Data for Georgia

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-80-1

WATER YEAR 1980

Prepared in cooperation with the State of Georgia
and with other agencies

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA 22161

CALENDAR FOR WATER YEAR 1980

1979

OCTOBER

S	M	T	W	T	F	S
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1980

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31						

SEPTEMBER

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U.S. DEPARTMENT OF THE INTERIOR

March 3, 1849

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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-80-1

WATER YEAR 1980

Prepared in cooperation with the State of Georgia
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Doyle G. Frederick, Acting Director

For information on the water program in Georgia write to
District Chief, Water Resources Division
U.S. Geological Survey
6481 Peachtree Industrial Boulevard, Suite B
Doraville, Georgia 30360

1981

PREFACE

This report was prepared by personnel of the Georgia district of the Water Resources Division of the U.S. Geological Survey under the supervision of J. T. Armbruster, District Chief, and James L. Cook, Regional Hydrologist, Southeastern Region.

This report is one of a series issued State by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and R. J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

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15. Supplementary Notes

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Water resources data for the 1980 water year for Georgia consists of records of of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels. This report contains discharge records for 105 gaging stations; stage for 9 gaging stations; stage and contents for 17 lakes and reservoirs; water quality for 22 continuous stations, 129 periodic stations and miscellaneous sites; peak stage and discharge only for 109 crest-stage partial-record stations and 15 miscellaneous sites; measurements of discharge at 108 low-flow partial-record stations and 69 miscellaneous sites; and water levels of 28 observation wells. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

17. Document Analysis a. Descriptors

*Georgia, *Hydrologic data, *Surface water, *Water quality, *Ground water, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Wells, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses

b. Identifiers/Open-Ended Terms

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[Letters after station names designate type of data:
(d) discharge, (g) gage height, (c) chemical, (b) biological,
(m) microbiological, (t) water temperature, (s) sediment]

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WATER RESOURCES DATA FOR GEORGIA, 1980

INTRODUCTION

Water resources data for the 1980 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels. This report contains discharge records for 105 gaging stations; stage for 9 gaging stations; stage and contents for 17 lakes and reservoirs; water quality for 22 continuous stations, 129 periodic stations and miscellaneous sites; peak stage and discharge only for 109 crest-stage partial-record stations and 15 miscellaneous sites; measurements of discharge at 108 low-flow partial-record stations and 69 miscellaneous sites; and water levels of 28 observation wells. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface-Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report GA-80-1." These water-data reports are for sale, in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone (404) 221-4858.

COOPERATION

The U.S. Geological Survey and organizations of the State of Georgia have had cooperative agreements for the systematic collection of streamflow records since 1896, and for water-quality records since 1937. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Georgia Department of Natural Resources, Joe D. Tanner, Commissioner, through the Division of Environmental Protection, J. Leonard Ledbetter, Director.

Georgia Department of Transportation, Thomas D. Moreland, Commissioner.

Assistance in the form of funds and/or services was given by the following Federal agencies:

Corps of Engineers, U.S. Army
Environmental Protection Agency
Federal Highway Administration, U.S. Department of Transportation
Tennessee Valley Authority
National Weather Service, NOAA, U.S. Department of Commerce

The following organizations aided in collecting records:

Georgia Power Company
Alabama Power Company
Crisp County Power Commission
Bibb County
Chatham County
Glynn County
Columbus
Albany Water, Gas and Light Commission
Clayton County Water Authority
Macon-Bibb County Water & Sewerage Authority
City of Brunswick
City of Covington
City of Valdosta

HYDROLOGIC CONDITIONS

Runoff for the water year was generally above normal throughout the State except in the southwest and the far southeast where runoff was below normal. The ratio of 1980 water-year runoff to long-term average runoff for unregulated streams having more than 5 years of streamflow record ranged from about 1.6 at Wildcat Creek near Lawrenceville in north Georgia to 0.4 at Tillman Mill Creek near Lumber City in south Georgia.

Monthly mean runoff in the northern part of the State was generally above normal in October, November, and March through June and below normal for the remainder of the year. In the central part, monthly mean runoff was generally above normal in March, April, and May and well below normal in July, August, and September. In the south, monthly mean runoff was above normal in March and April and significantly below normal in June, July, August, and September.

Very little rain fell throughout the State during July, August, and September and the rain that did fall was widely scattered. Consequently, streams receded to very low levels by mid-September. Several streams in east and southeast Georgia receded to low flows equivalent to 20-year recurrence intervals. Low flows equivalent to 5-year recurrence intervals were reached on many streams in central and south Georgia.

No significant flooding occurred in north Georgia during the year. Locally, heavy rainstorms did produce minor flooding on small streams in some areas. One such storm on May 23 produced the highest peak discharge since May 1956 at the Wildcat Creek near Lawrenceville gaging station.

Significant flooding occurred in east-central Georgia during March. The weather station at Midville, Georgia Experiment Station reported a total of 8.78 inches between March 5 and March 13, with about 4.9 inches occurring on March 12 and 13. As a result, the Ogeechee River near Eden reached its highest stage and discharge since 1936. Several smaller streams in the Burke, Emanuel, Jefferson, Jenkins, Johnson, and Washington Counties area reached peaks in excess of 50-year recurrence intervals.

Figure 2 on page 27 shows monthly and yearly streamflows for the 1980 water year at three representative long-term gaging stations and the average monthly and yearly streamflows for the period 1941-70.

Ground-water levels for the water year were near median in the Piedmont area. Levels in the Coastal Plain were slightly lower in areas where levels were affected by industrial and agricultural pumpage. More information concerning water-level fluctuations in the State can be found in an open-file report entitled, "Ground-Water Levels and Quality Data for Georgia, 1979," and its 1980 companion report which will be released later this year.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting English units to International System of units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth.

In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organisms which is counted by using a microscope and grid or counting cell. Many plankton organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll *a* and *b* are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/s, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 um membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (lsd) is a reference elevation that is approximately at land surface at a well from which depth or height to water surface is measured.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volumn (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation
Silt..........	.004 - .062	Sedimentation
Sand..........	.062 - 2.0	Sedimentation or sieve
Gravel........	2.0 - 64.0	Sieve

The particle-size distribution given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants, respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Recoverable from bottom material is the amount of a given constituent in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same stream with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent of the constituent present in the sample). To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each surface-water hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS

Downstream order station numbers are not assigned to wells. The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well and an unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits is a sequential number for wells within a 1-second grid. In the event that several wells are within the same 1-second grid, a different sequential number, such as "01", "02", etc., is assigned to each well to insure an unique station number. See figure 1 below.

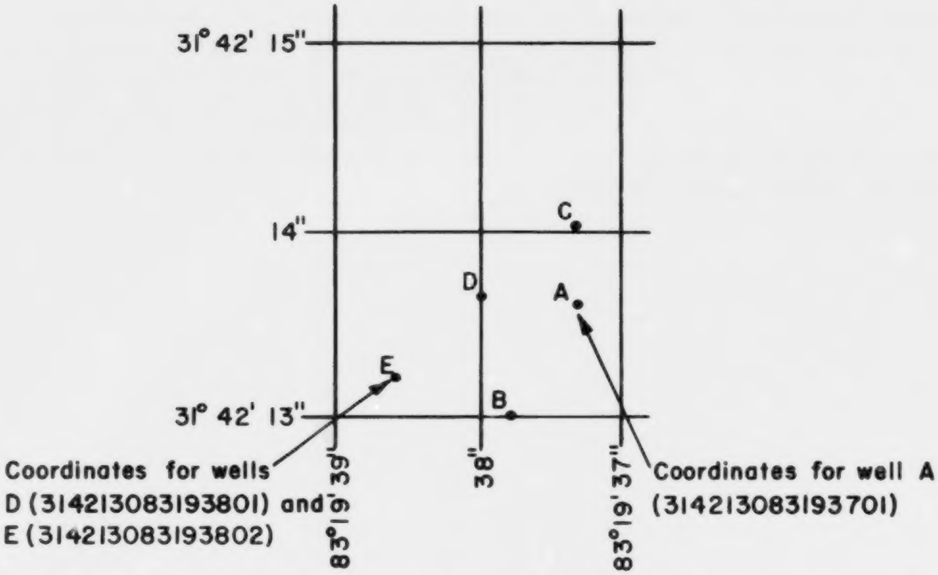
31° 42' 15"
14"
31° 42' 13"
C
D
A
E
B
83°19' 39"
38"
83°19' 37"
Coordinates for wells D (314213083193801) and E (314213083193802)
Coordinates for well A (314213083193701)

FIGURE 1.--System for numbering wells (latitude and longitude).

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-STAGE RECORDS

Collection and computation of data

The base data collected at gaging stations consists of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes and reservoirs. In addition, observation of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curve are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the U.S. Army Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR. If they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream from which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large uncontributing areas or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations and miscellaneous sites follow the information for continuous record stations. Data for partial-record discharge stations and miscellaneous sites are presented in four tables. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of discharge measurements made at miscellaneous sites, the third is a table of annual maximum stage and discharge at crest-stage stations, and the fourth is a table of peak stage and discharge at miscellaneous sites. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversion, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations such as observation of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

Water analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentrations of solute at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, published records consist of daily maximum and minimum values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. Mean values and more detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, mean daily temperatures and/or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of data

Ground-water level data from a network of observation wells in Georgia are published herein. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude as shown in figure 1, and (2) a local number that is provided for local needs.

Water-level measurements in this report are given in feet to either National Geodetic Vertical Datum of 1929 (NGVD), land-surface datum, or altitude. NGVD is a datum plane on which the national network of precise level lines have been tied; land-surface datum is approximated by less than precise levels; altitude of the land surface is the approximate elevation obtained from a topographic map. The NGVD, land-surface datum, or altitude is given in the well description. The height of the measuring point above or below land surface is given in each well description. Wells for which water-level data are included in this report are equipped with continuous recorders and daily mean water levels are reported. Low- and high-water levels included at the bottom of tables are extremes for data in the table only.

Water levels are reported to as many significant figures as can be justified by the local conditions. Accordingly, most measurements are reported to a hundredth of a foot.

PUBLICATIONS ON TECHNIQUES OF WATER RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revisions and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. Water temperature-influential factors, field measurement, and data presentation, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS—TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. Guidelines for collection and field analysis of ground-water samples for selected unstable constituents, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. Application of surface geophysics to ground-water investigations, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. Application of borehole geophysics to water-resources investigations, by W. S. Keys and L. M. McCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. General field and office procedures for indirect discharge measurements, by M. A. Benson and Tate Dalrymple: USGS—TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. Measurement of peak discharge by the slope-area method, by Tate Dalrymple and M. A. Benson: USGS-TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. Measurement of peak discharge at culverts by indirect methods, by G. L. Bodhaine: USGS—TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. Measurement of peak discharge at width contractions by indirect methods, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. Measurement of peak discharge at dams by indirect methods, by Harry Hulsing: USGS—TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. General procedure for gaging streams, by R. W. Carter and Jacob Davidian: USGS—TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. Stage measurements at gaging stations, by T. J. Buchanan and W. P. Somers: USGS—TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. Discharge measurements at gaging stations, by T. J. Buchanan and W. P. Somers: USGS—TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A11. Measurement of discharge by moving-boat method, by G. F. Smoot and C. E. Novak: USGS—TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. Aquifer-test design, observation, and data analysis, by R. W. Stallman: USGS—TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. Introduction to ground-water hydraulics, a programmed text for self-instruction, by G. D. Bennett: USGS—TWRI Book 3, Chapter B2. 1976. 172 pages.

3-C1. Fluvial sediment concepts, by H. P. Guy: USGS—TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. Field methods for measurement of fluvial sediment, by H. P. Guy and V. W. Norman: USGS—TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. Computation of fluvial-sediment discharge, by George Porterfield: USGS—TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. Some statistical tools in hydrology, by H. C. Riggs: USGS—TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. Frequency curves, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. Low-flow investigations, by H. C. Riggs: USGS—TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. Storage analyses for water supply, by H. C. Riggs and C. H. Hardison: USGS—TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. Regional analyses of streamflow characteristics, by H. C. Riggs: USGS—TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. Computation of rate and volume of stream depletion by wells, by C. T. Jenkins: USGS—TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. Methods for determination of inorganic substances in water and fluvial sediments, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. Determination of minor elements in water by emission spectroscopy, by P. R. Barnett and E. C. Mallory, Jr.: USGS—TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. Methods for analysis of organic substances in water, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 12 pages.

5-A4. Methods for collection and analysis of aquatic biological and microbiological samples, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. Methods for determination of radioactive substances in water and fluvial sediments, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS—TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. Laboratory theory and methods for sediment analysis, by H. P. Guy: USGS—TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. Finite-difference model for aquifer simulation in two dimensions with results of numerical experiments, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS—TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. Computer model of two-dimensional solute transport and dispersion in ground water, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

8-A1. Methods of measuring water levels in deep wells, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-B2. Calibration and maintenance of vertical-axis type current meters, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

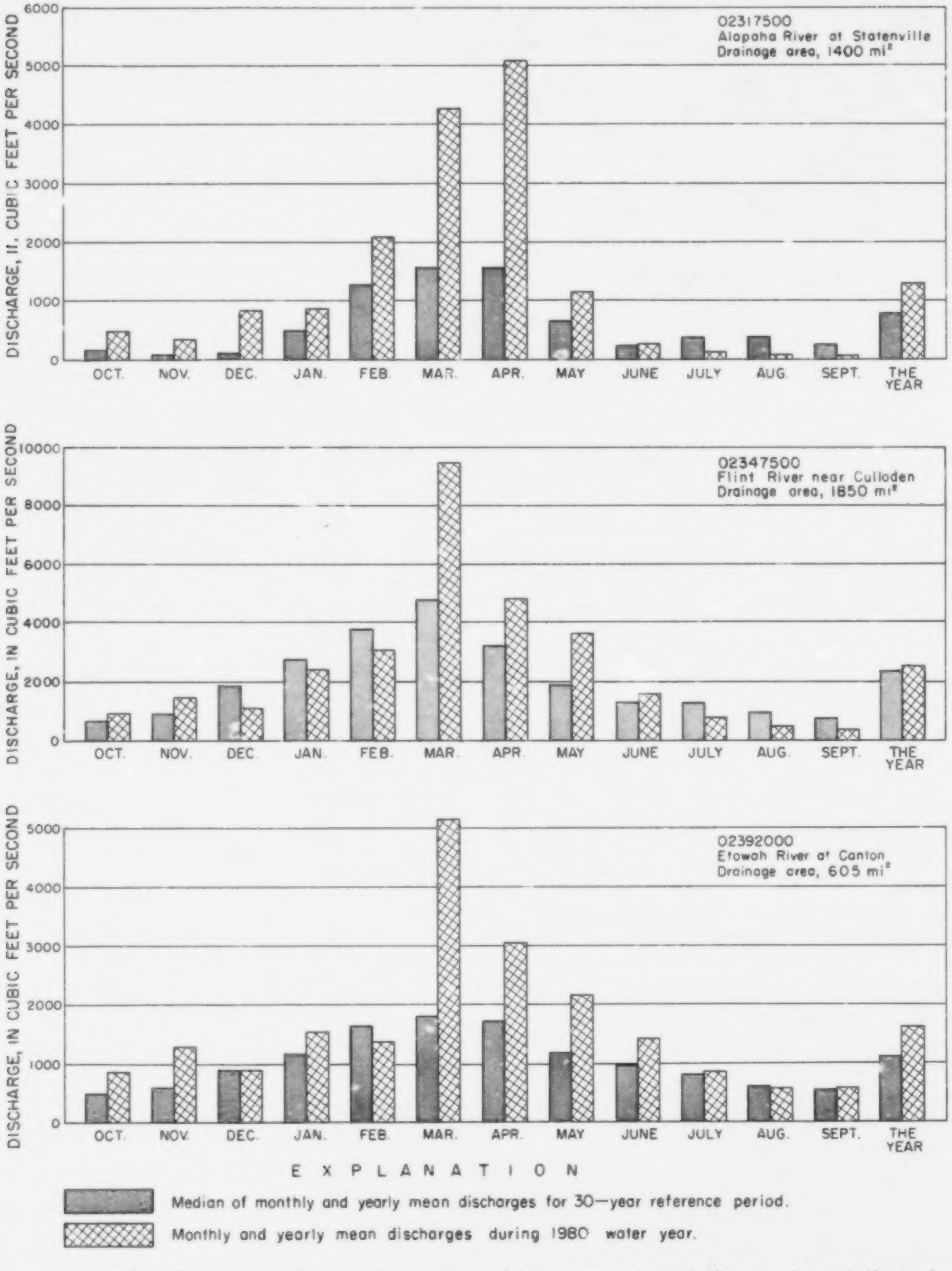

Figure 2.—Comparison of discharge at three long-term representative gaging stations during 1980 water year with median discharge for 30—year reference period.

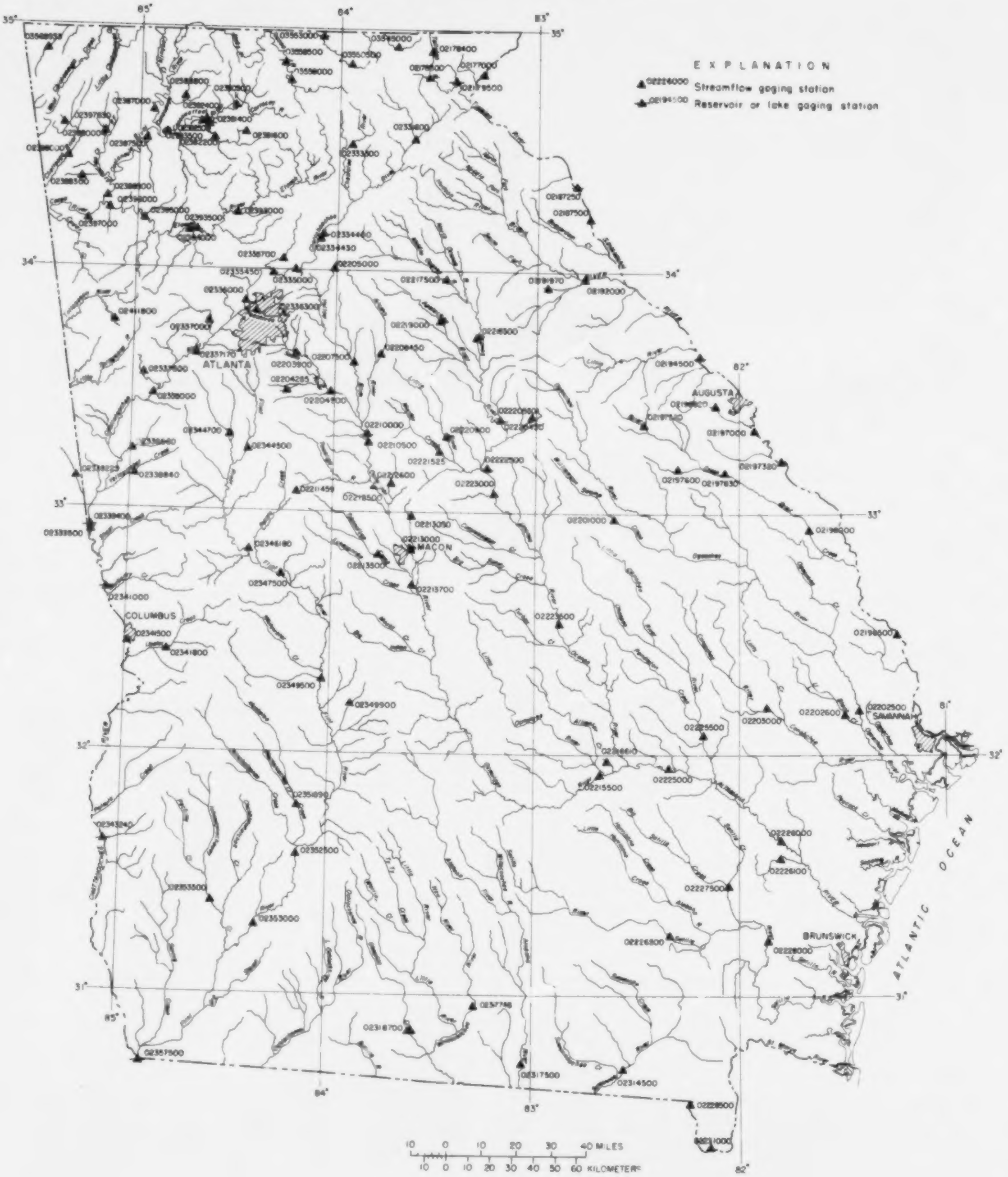
EXPLANATION
▲02226000 Streamflow gaging station
▲02194500 Reservoir or lake gaging station
35°
85°
84°
83°
34°
33°
32°
31°
82°
81°
ATLANTA
MACON
COLUMBUS
AUGUSTA
SAVANNAH
BRUNSWICK
ATLANTIC OCEAN
02336000
02335000
02205000
02217500
02192000
02411800
02337000
02203900
02204285
02204500
02208450
02219000
02218300
02194500
02197000
02197380
02344500
02344700
02338000
02210000
02210500
02221525
02222500
02223000
02211459
02212600
02218500
02339500
02213050
02213000
02213500
02213700
02346180
02347500
02201000
02198000
02341000
02341500
02341800
02223500
02198500
02349500
02349900
02202500
02202600
02203000
02225500
02215500
02225000
02226000
02226100
02227500
02228000
02226800
02352500
02353000
02353500
02343240
02357500
02317500
02314500
02318700
02228500
02333500
02178400
02177000
02179500
02187250
02187500
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 3.—Location of gaging stations.

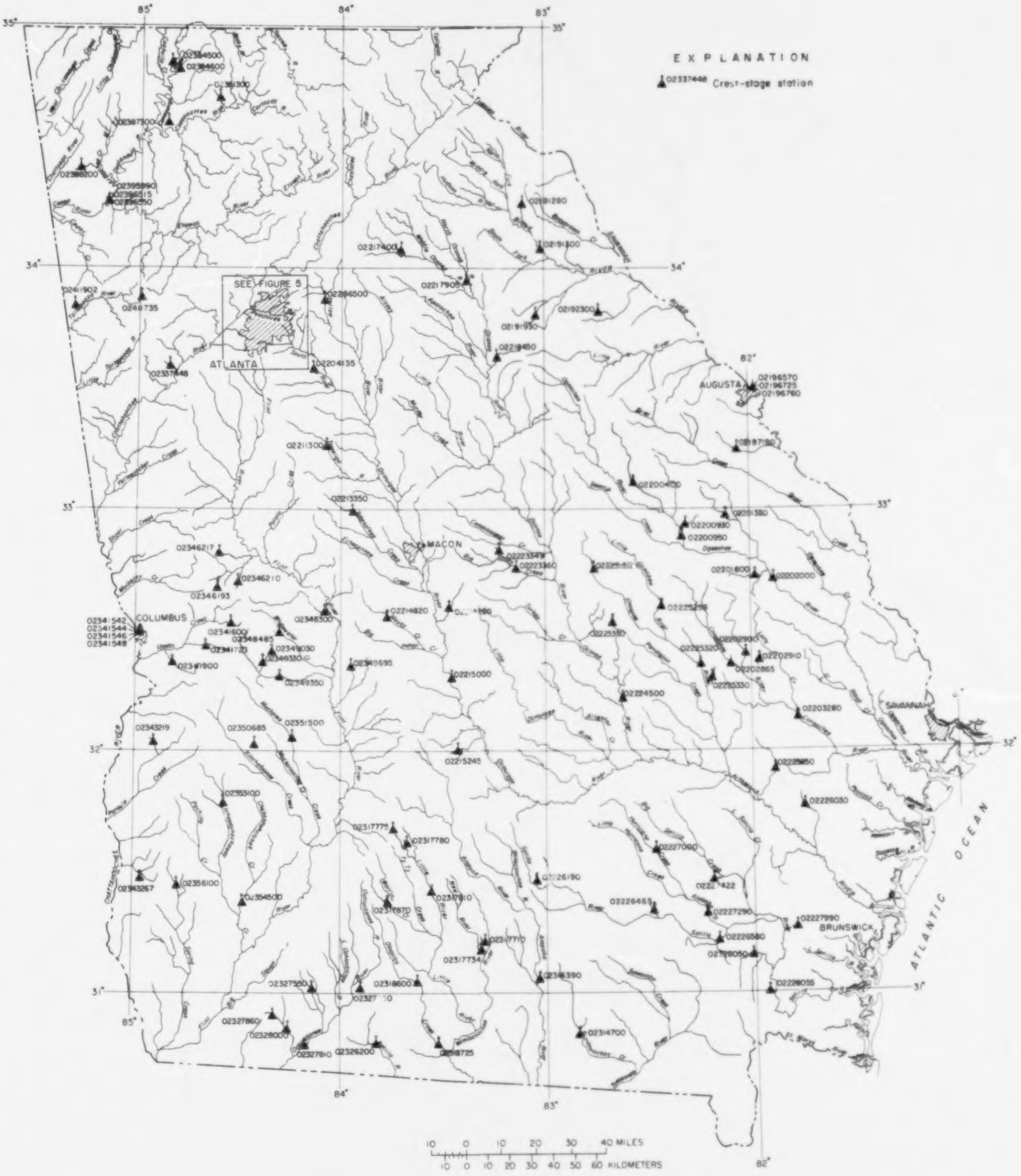
EXPLANATION
02337448 Crest-stage station
SEE FIGURE 5
ATLANTA
AUGUSTA
MACON
COLUMBUS
SAVANNAH
BRUNSWICK
ATLANTIC OCEAN
35°
34°
33°
32°
31°
85°
84°
83°
82°
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS
02384500
02384600
02381300
02387300
02388200
02395990
02396515
02396550
02411902
02411735
02337448
02204135
02206500
02217400
02217905
02181280
02191300
02191930
02192300
02193480
02196570
02196725
02196760
02197190
02211300
02213350
02200400
02201380
02200930
02200950
02346217
02346210
02346193
02223349
02223360
02201800
02202000
02341542
02341544
02341546
02341548
02341600
02348485
02348300
02214820
02341723
02349030
02349330
02341900
02349350
02349695
02215000
02224500
02203280
02343219
02350685
02351500
02215245
02353100
02317775
02317780
02227000
02343267
02356100
02354500
02317810
02317870
02226190
02226465
02227290
02227990
02317710
02317734
02226580
02316390
02327350
02318600
02228055
02327860
02328000
02327810
02326200
02318725
02314700

Figure 4.—Location of crest stage partial-record stations.

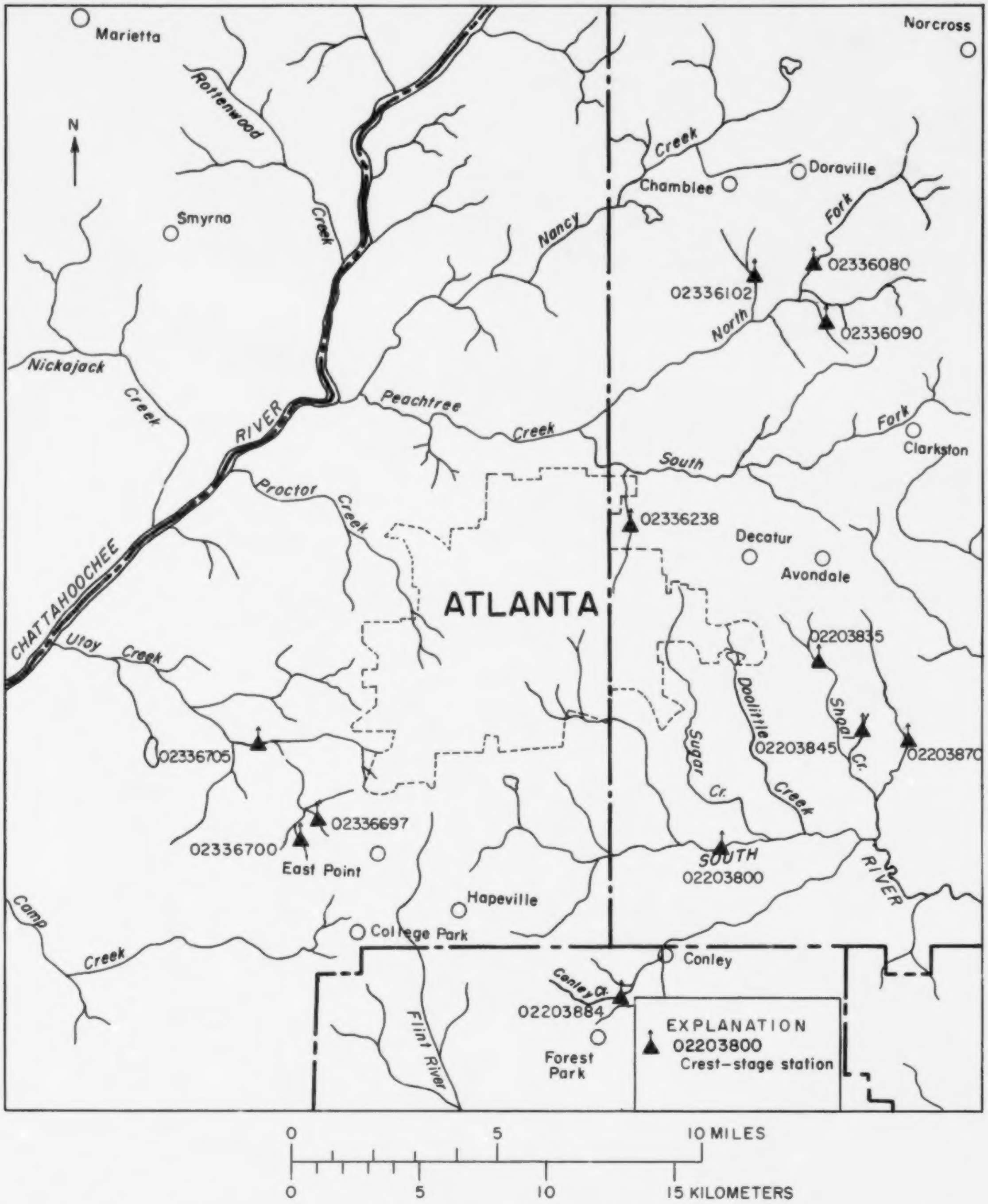
Marietta
Norcross
N
Rottenwood
Creek
Smyrna
Creek
Chamblee
Doraville
Nancy
Fork
02336080
02336102
North
02336090
Nickajack
Creek
RIVER
Peachtree
Creek
Fork
Clarkston
South
Proctor
Creek
02336238
Decatur
Avondale
CHATTAHOOCHEE
ATLANTA
Utoy
Creek
02203835
Doolittle
Shoal
Cr.
Sugar
02203845
02203870
02336705
Cr.
Creek
02336697
02336700
East Point
SOUTH
02203800
RIVER
Hapeville
Camp
Creek
College Park
Conley
Conley Cr.
02203884
Flint River
Forest Park
EXPLANATION
02203800
Crest-stage station
0
5
10 MILES
0
5
10
15 KILOMETERS

Figure 5.—Location of crest stage partial-record stations in Atlanta metropolitan area.

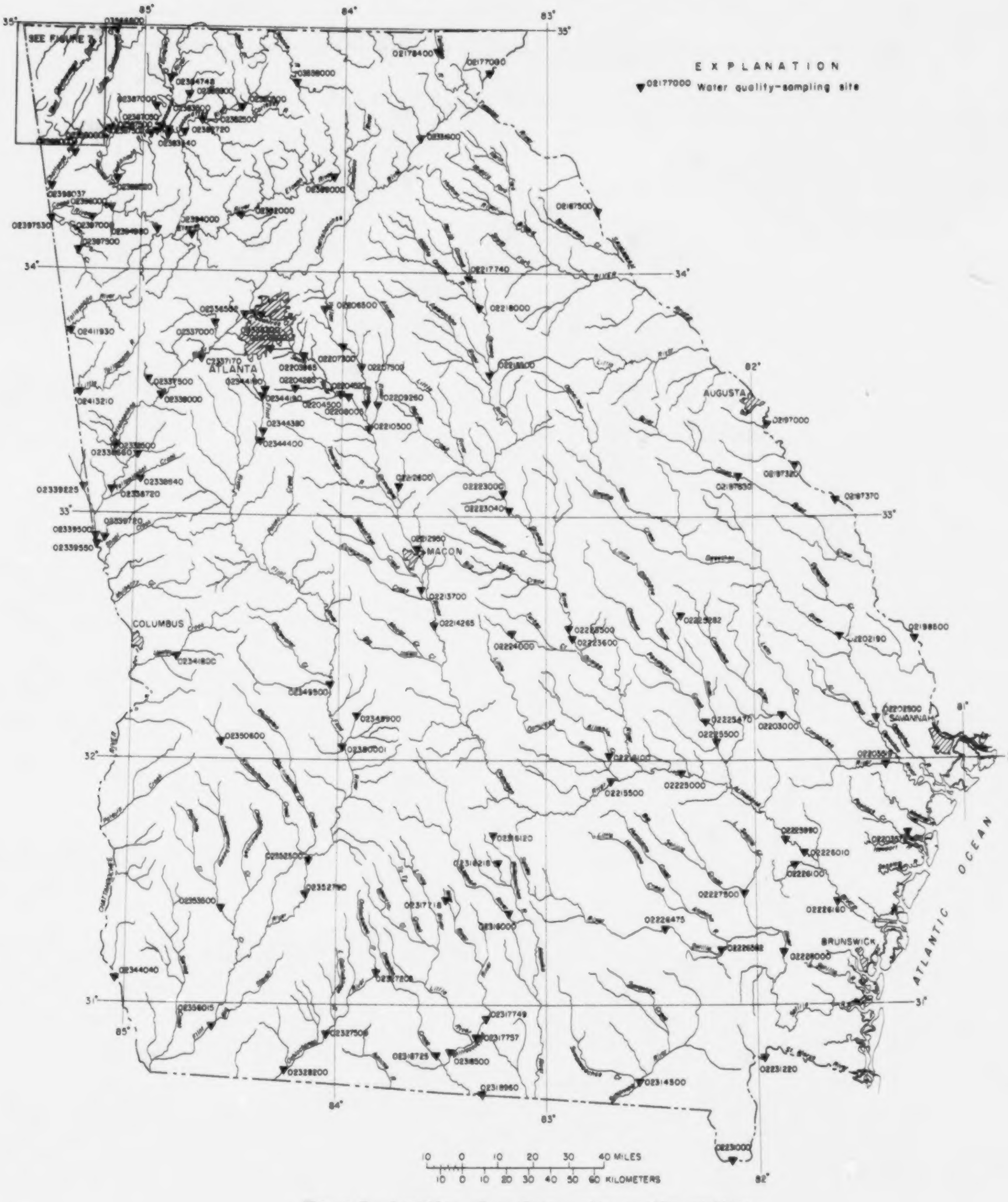
EXPLANATION
▼02177000 Water quality-sampling site
ATLANTA
MACON
AUGUSTA
COLUMBUS
SAVANNAH
BRUNSWICK
ATLANTIC OCEAN
35°
34°
33°
32°
31°
85°
84°
83°
82°
81°
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 6.—Location of surface water-quality stations.

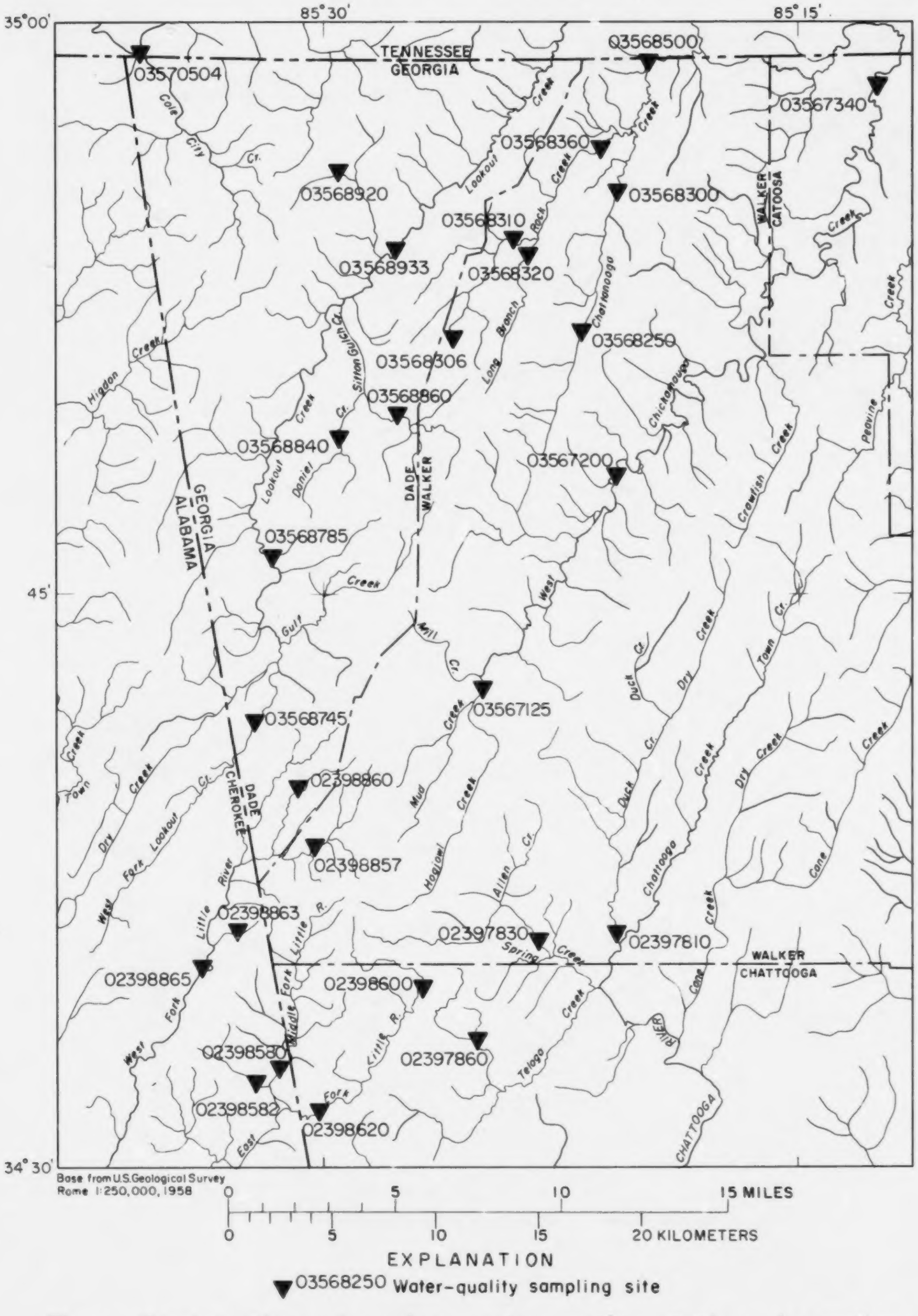
35°00'
85°30'
85°15'
45'
34°30'
TENNESSEE
GEORGIA
03570504
03568500
03567340
03568360
03568920
03568300
03568310
03568933
03568320
03568250
03568306
03568860
03568840
03567200
03568785
03567125
03568745
02398860
02398857
02398863
02397830
02397810
02398865
02398600
02398580
02397860
02398582
02398620
WALKER
CATOOSA
DADE
WALKER
GEORGIA
ALABAMA
DADE
CHEROKEE
WALKER
CHATTOOGA
Cole City Cr.
Lookout Creek
Rock Creek
Chattanooga Creek
Long Branch
Sitton Gulch Cr.
Daniel Cr.
Lookout Creek
Higdon Creek
Chickamauga
Peavine Creek
Crawfish Creek
Gulf Creek
Mill Cr.
West Cr.
Duck Cr.
Dry Creek
Town Cr.
Mud Creek
Hogjowl Creek
Allen Cr.
Spring Creek
Chattooga
Cane Creek
Teloga Creek
CHATTOOGA RIVER
Little River
Little R.
Middle Fork
East Fork
West Fork
Town Creek
Dry Creek
West Fork Lookout Cr.
Base from U.S. Geological Survey Rome 1:250,000, 1958
0 5 10 15 MILES
0 5 10 15 20 KILOMETERS
EXPLANATION
▼03568250 Water-quality sampling site

Figure 7.—Location of surface water-quality stations in northwest Georgia.

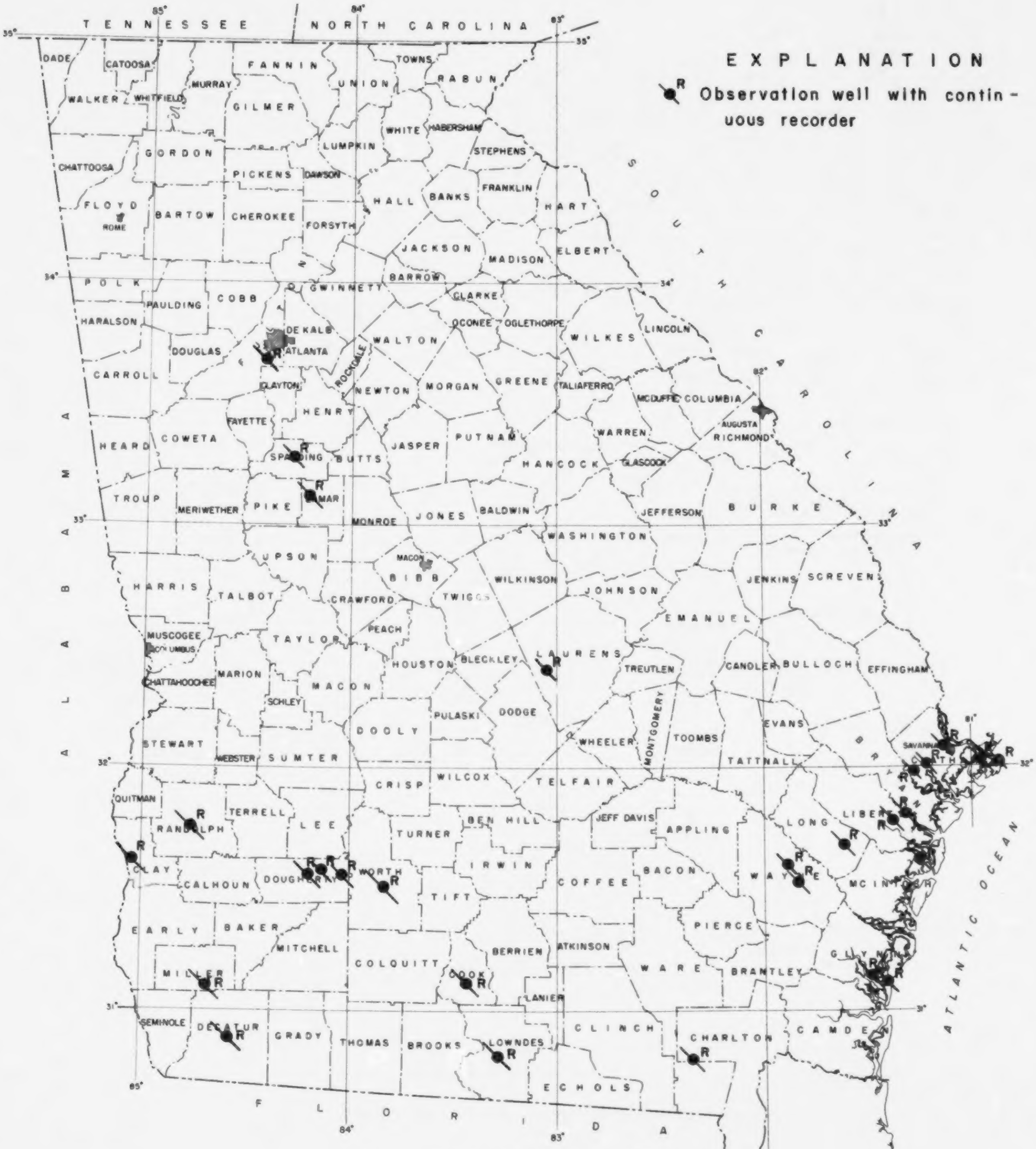
EXPLANATION
Observation well with continuous recorder
R
TENNESSEE
NORTH CAROLINA
SOUTH CAROLINA
ALABAMA
FLORIDA
ATLANTIC OCEAN
35°
34°
33°
32°
31°
85°
84°
83°
82°
81°
DADE
CATOOSA
WALKER
WHITFIELD
MURRAY
FANNIN
UNION
TOWNS
RABUN
GILMER
WHITE
HABERSHAM
LUMPKIN
STEPHENS
CHATTOOGA
GORDON
PICKENS
DAWSON
FRANKLIN
HALL
BANKS
HART
FLOYD
ROME
BARTOW
CHEROKEE
FORSYTH
JACKSON
MADISON
ELBERT
POLK
BARROW
GWINNETT
CLARKE
PAULDING
COBB
OCONEE
OGLETHORPE
WILKES
LINCOLN
HARALSON
DE KALB
ATLANTA
WALTON
DOUGLAS
ROCKDALE
CARROLL
CLAYTON
NEWTON
MORGAN
GREENE
TALIAFERRO
MCDUFFIE
COLUMBIA
AUGUSTA
RICHMOND
FAYETTE
HENRY
HEARD
COWETA
JASPER
PUTNAM
WARREN
SPALDING
BUTTS
HANCOCK
GLASCOCK
TROUP
MERIWETHER
PIKE
LAMAR
MONROE
JONES
BALDWIN
JEFFERSON
BURKE
WASHINGTON
UPSON
MACON
BIBB
HARRIS
TALBOT
CRAWFORD
TWIGGS
WILKINSON
JOHNSON
JENKINS
SCREVEN
EMANUEL
MUSCOGEE
COLUMBUS
TAYLOR
PEACH
HOUSTON
BLECKLEY
LAURENS
TREUTLEN
CANDLER
BULLOCH
EFFINGHAM
CHATTAHOOCHEE
MARION
MACON
SCHLEY
PULASKI
DODGE
MONTGOMERY
STEWART
DOOLY
WHEELER
TOOMBS
EVANS
WEBSTER
SUMTER
TATTNALL
SAVANNAH
CHATHAM
BRYAN
QUITMAN
TERRELL
CRISP
WILCOX
TELFAIR
JEFF DAVIS
APPLING
LIBERTY
RANDOLPH
LEE
TURNER
BEN HILL
LONG
CLAY
CALHOUN
DOUGHERTY
WORTH
IRWIN
COFFEE
BACON
WAYNE
MCINTOSH
TIFT
EARLY
BAKER
MITCHELL
COLQUITT
BERRIEN
ATKINSON
PIERCE
MILLER
COOK
WARE
BRANTLEY
GLYNN
LANIER
SEMINOLE
DECATUR
GRADY
THOMAS
BROOKS
LOWNDES
CLINCH
CHARLTON
CAMDEN
ECHOLS
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 8. - Location of selected observation wells

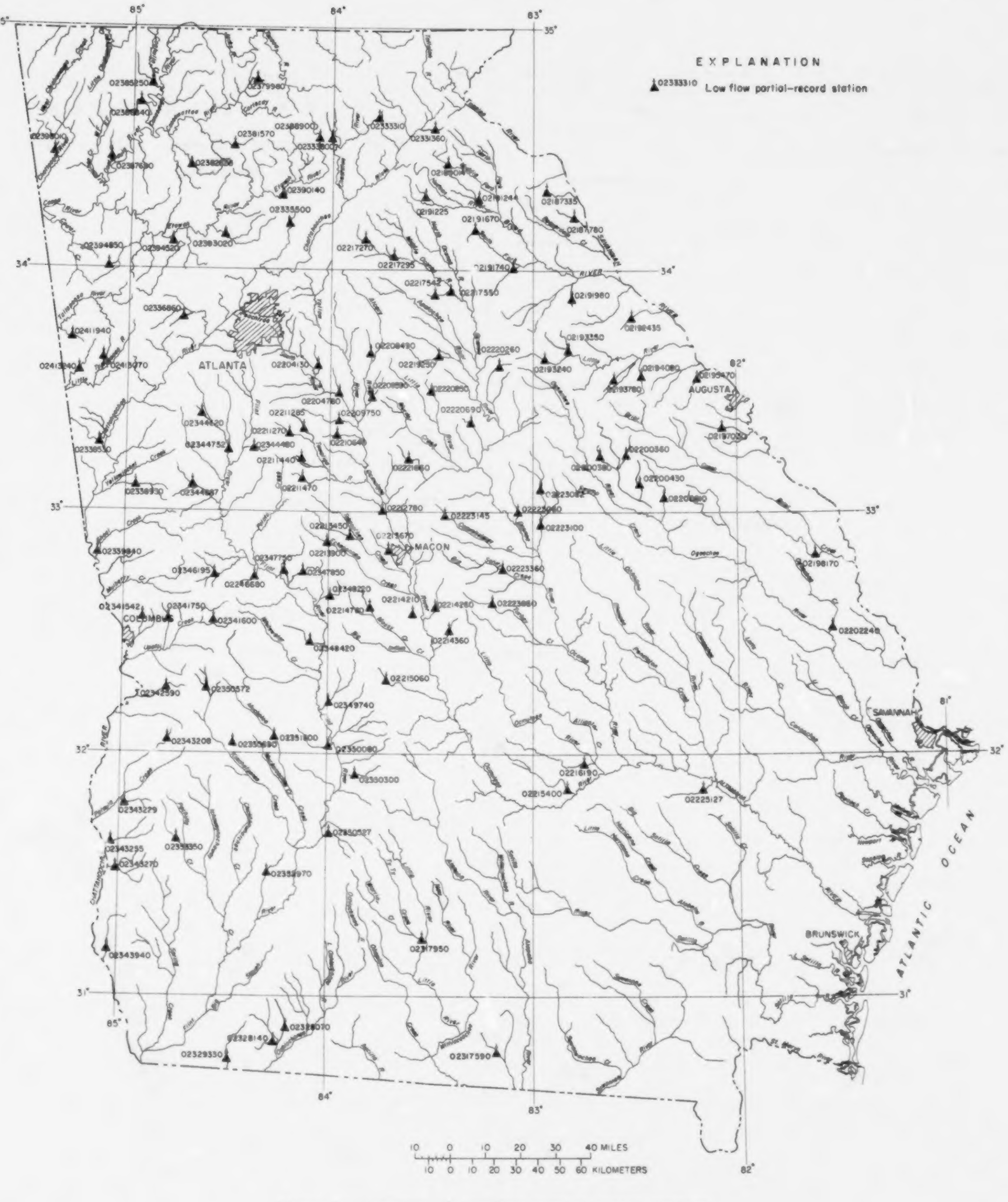
EXPLANATION
02333310 Low flow partial-record station
ATLANTA
MACON
AUGUSTA
COLUMBUS
SAVANNAH
BRUNSWICK
ATLANTIC OCEAN
35°
34°
33°
32°
31°
85°
84°
83°
82°
81°
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 9.—Location of low-flow partial-record stations.

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.-Rabun County, Ga., Hydrologic Unit 03060102, on left bank 150 ft (46 m) downstream from bridge on U.S. Highway 76, 2.8 mi (4.5 km) upstream from Stekoa Creek, 7 mi (11.3 km) southeast of Clayton, 9 mi (14.5 km) downstream from War Woman Creek, and 9 mi (14.5 km) upstream from confluence with Tallulah River.
DRAINAGE AREA.--207 mi2 (536 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1907 to June 1908, October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.
REVISED RECORDS.--WSP 1383: 1940-41, drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.28 m) National Geodetic Vertical Datum of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.
REMARKS.--Records good except those for period of no gage-height record, Nov. 25 to Dec. 5, which are fair.
AVERAGE DISCHARGE.--41 years, 668 ft3/s (18.9 m3/s), 43.82 in/yr (1,113 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft3/s (821 m3/s) Aug. 30, 1940, gage height, 13.8 ft (4.206 m), from rating curve extended above 4,700 ft3/s (133 m3/s) on basis of slope-area measurements at gage heights 9.9 and 13.2 ft (3.018 and 4.023 m); minimum, 88 ft3/s (2.49 m3/s) Oct. 8, 12, 13, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,400 ft3/s (96.3 m3/s) and maximum (*):

Date	Time	Discharge (ft 3/s)	Discharge (m 3/s)	Gage height (ft)	Gage height (m)
Nov. 2	0900	*10900	309	7.52	2.292
Nov. 25	unknown	8450	239	6.5	1.98
Mar. 17	2130	5320	151	5.05	1.539
Mar. 21	0815	7110	201	5.91	1.801
Apr. 14	1130	5120	145	4.95	1.509

Minimum discharge, 170 ft3/s (4.81 m3/s) Sept. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	692	1280	685	710	506	1460	960	779	550	344	280
2	1250	5370	1210	655	670	508	1370	935	743	545	398	285
3	1130	2180	1160	622	664	464	1300	914	709	518	307	312
4	1120	1430	1110	649	644	499	1270	894	689	494	290	275
5	1250	1210	1070	647	622	748	1190	886	662	486	290	240
6	1070	1090	1040	591	646	746	1140	864	650	463	275	255
7	1000	1020	1000	579	611	665	1120	836	650	449	280	255
8	947	960	952	638	599	2160	1550	832	619	442	275	217
9	921	910	913	650	652	1430	1850	801	587	424	265	204
10	895	1270	895	649	713	1060	1390	782	566	410	270	217
11	870	1210	866	778	646	913	1250	770	550	406	265	226
12	863	1100	850	1220	621	885	1430	754	541	389	260	201
13	842	1000	873	875	599	1140	1720	738	537	378	255	190
14	826	920	876	1040	587	1050	4240	730	528	368	245	185
15	820	880	809	925	594	930	2580	721	506	371	245	178
16	805	870	780	814	729	873	1950	703	487	364	250	171
17	800	820	757	843	681	2190	1670	1080	510	350	255	176
18	790	784	732	1340	614	2690	1540	1840	665	340	245	201
19	780	766	723	1240	593	1600	1450	1050	616	333	329	193
20	776	739	708	992	593	1580	1370	1100	539	326	318	220
21	765	721	679	887	587	4220	1310	1090	505	319	286	251
22	760	703	673	902	593	2310	1240	947	471	313	264	197
23	840	694	663	1190	576	1820	1200	1580	462	393	288	184
24	811	1930	745	961	551	1910	1150	1430	1840	413	271	188
25	750	4600	947	875	532	1820	1110	1170	1480	361	255	471
26	740	4200	739	815	520	1560	1130	1020	967	348	235	358
27	735	2700	690	780	508	1430	1120	924	799	351	226	240
28	730	1700	661	748	505	1890	1050	826	702	423	212	267
29	757	1450	644	720	498	2170	1020	839	646	357	217	788
30	912	1350	676	732	---	1830	989	1020	606	324	235	731
31	746	---	708	802	---	1620	---	824	---	310	318	---
TOTAL	27861	45269	26429	25844	17658	45217	44159	29860	20611	12318	8468	8156
MEAN	899	1509	853	834	609	1459	1472	963	687	397	273	272
MAX	1560	5370	1280	1340	729	4220	4240	1840	1840	550	398	788
MIN	730	692	644	579	498	464	989	703	462	310	212	171
CFSM	4.34	7.29	4.12	4.03	2.94	7.05	7.11	4.65	3.32	1.92	1.32	1.31
IN.	5.01	8.14	4.75	4.64	3.17	8.13	7.94	5.37	3.70	2.21	1.52	1.47

CAL YR 1979 TOTAL 401456 MEAN 1100 MAX 8800 MIN 357 CFSM 5.31 IN 72.15
WTR YR 1980 TOTAL 311850 MEAN 852 MAX 5370 MIN 171 CFSM 4.12 IN 56.04

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
09...	1040	920	6.8	20.5	13.0	--
NOV						
05...	1420	1200	6.5	14.0	9.5	8.6
DEC						
05...	0950	1080	6.4	-1.5	4.0	--
JAN						
17...	1425	860	6.9	10.0	8.5	10.7
APR						
09...	1000	1800	6.0	15.5	12.0	10.4
MAY						
14...	1600	730	6.5	21.0	19.0	8.8
28...	0600	840	6.3	13.0	17.0	9.4
JUL						
17...	1445	350	7.1	35.0	29.0	--
AUG						
12...	0815	255	7.0	22.5	23.5	8.2
SEP						
11...	1145	226	7.0	24.0	21.5	8.6

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
09...	12	3	--	.2	230	6	1	<.02	<.020	--	<.020	<1.0
NOV												
05...	12	4	--	.5	90	4	1	.02	<.020	--	<.020	<1.0
DEC												
05...	11	6	--	<.1	150	3	6	.03	.020	--	<.020	<1.0
JAN												
17...	12	4	--	.9	230	4	2	<.02	<.020	--	<.020	<1.0
APR												
09...	10	13	--	.4	230	3	13	.03	<.020	--	.030	2.0
MAY												
14...	11	5	--	.2	30	5	2	<.02	<.020	--	<.020	<1.0
28...	10	4	--	.2	40	4	3	<.02	<.020	--	<.020	3.5
JUL												
17...	12	13	<5	.4	<30	5	1	<.02	<.020	.30	.020	3.0
AUG												
12...	14	16	5	.7	930	6	5	<.02	.020	--	<.020	--
SEP												
11...	14	4	3	.5	160	6	4	<.02	<.020	<.10	.020	3.0

02178400 TALLULAH RIVER NEAR CLAYTON, GA.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°53'25", long 83°31'50", Rabun County, Hydrologic Unit 03060102, on right bank 100 ft (30 m) downstream from county highway bridge, 120 ft (37 m) downstream from Persimmon Creek, 8 mi (12.9 km) upstream from Burton Dam, and 10.3 mi (16.6 km) west of Clayton.
DRAINAGE AREA.--56.5 mi^2 (146 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1964 to current year.
GAGE.--Water-stage recorder. Datum of gage is 1,868.93 ft (569.650 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).
REMARKS.--Records good.
AVERAGE DISCHARGE.--16 years, 208 ft^3/s (5.89 m^3/s), 49.99 in/yr (1,270 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,500 ft^3/s (241 m^3/s) May 28, 1973, gage height, 12.00 ft (3.658 m); minimum discharge, 45 ft^3/s (1.27 m^3/s) Sept. 25, 26, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34.0 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 25	2200	2050	58.1	5.97	1.820
Mar. 17	1615	1560	44.2	5.30	1.615
Mar. 21	0330	*2880	81.6	6.93	2.112
Apr. 8	1345	1480	41.9	5.19	1.582
Apr. 14	0545	1250	35.4	4.86	1.481

Minimum discharge, 49 ft^3/s (1.39 m^3/s) Sept. 15-17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	320	172	270	158	222	153	410	251	208	117	67	69
2	272	648	250	147	205	147	368	243	199	113	66	67
3	243	325	235	142	196	146	352	235	191	111	65	105
4	270	243	225	155	186	144	378	228	182	107	66	79
5	242	208	219	147	178	257	322	235	175	103	66	75
6	214	189	219	137	181	212	309	223	174	100	62	70
7	193	176	207	143	170	267	299	217	168	96	67	62
8	178	167	194	169	165	806	611	213	161	94	61	58
9	171	164	182	175	186	470	511	203	152	92	59	57
10	166	323	178	166	189	337	405	197	149	93	87	89
11	158	288	174	252	174	284	364	193	144	94	85	63
12	152	255	171	286	169	299	472	187	131	87	75	57
13	148	230	195	233	163	397	610	182	129	84	72	55
14	141	209	181	273	163	340	1060	178	129	84	63	53
15	138	195	170	231	168	299	688	174	130	83	60	52
16	134	185	166	209	269	278	530	170	127	81	59	50
17	131	176	161	244	228	807	460	393	138	78	61	65
18	128	168	157	328	201	768	422	414	183	77	72	64
19	127	161	154	286	189	490	391	292	138	75	231	55
20	125	154	150	248	193	601	366	324	127	73	98	84
21	124	149	147	225	192	1550	348	297	122	72	75	67
22	121	146	144	324	197	774	323	283	119	74	68	59
23	149	152	142	372	187	583	306	548	126	84	65	56
24	125	553	195	298	178	592	297	535	272	83	72	63
25	120	839	186	262	173	502	294	406	236	84	70	198
26	117	1100	165	238	165	453	301	335	193	85	62	94
27	114	550	160	223	160	420	315	296	150	92	59	71
28	113	393	154	208	155	627	293	260	134	101	56	120
29	136	329	149	197	151	571	281	248	131	76	59	274
30	227	293	158	205	---	525	261	233	125	73	115	266
31	168	---	151	279	---	461	---	218	---	69	81	---
TOTAL	5165	9140	5609	6960	5353	14560	12347	8411	4743	2735	2324	2597
MFAN	167	305	181	225	185	470	412	271	158	88.2	75.0	86.6
MAX	320	1100	270	372	269	1550	1060	548	272	117	231	274
MIN	113	146	142	137	151	144	261	170	119	69	56	50
CFSM	2.96	5.40	3.20	3.98	3.27	8.32	7.29	4.80	2.80	1.56	1.33	1.53
IN.	3.40	6.02	3.69	4.58	3.52	9.59	8.13	5.54	3.12	1.80	1.53	1.71

CAL YR 1979 TOTAL 100320 MEAN 275 MAX 3910 MIN 84 CFSM 4.87 IN 66.05
WTR YR 1980 TOTAL 79944 MEAN 218 MAX 1550 MIN 50 CFSM 3.86 IN 52.63

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1967 to September 1968, December 1969 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: September 1964 to September 1979.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 28.0°C July 28, 1966; minimum, 0.0°C on several days during most years.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 31...	1315	162	25	6.6	13.0	9.7
JUN 11...	1500	144	21	6.9	19.0	9.2

DATE	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 31...	10	2.0	4	0	1.1	.4	1.1	.5	10	1.3
JUN 11...	0	.60	4	0	1.0	.3	1.1	.4	5	.9

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT 31...	.9	.0	7.4	23	10.1	.02	.010	.08	.09	.00
JUN 11...	.8	.0	8.4	22	8.55	.02	.010	.10	.11	.00

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)
OCT 31...	--	.11	.010	.03	.000	30	0	0	0	<10
JUN 11...	.15	.13	.010	.03	.010	10	0	0	0	<10

DATE	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 31...	4	50	2	2	7	<.1	<.1	0	40	.6
JUN 11...	1	30	1	0	6	<.1	<.1	0	0	.2

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, S.C.-Elbert County, Ga., Hydrologic Unit 03060103, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).
DRAINAGE AREA.--2,231 mi2 (5,778 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1949 to current year. Monthly discharge only for some periods, published in WSP 1303.
GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.753 m), National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).
REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir and Hartwell Lake. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, and 02187250.)
AVERAGE DISCHARGE.--31 years, 4,557 ft3/s (129 m3/s), 27.74 in/yr (705 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,400 ft3/s (1,540 m3/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m); minimum, 75 ft3/s (2.12 m3/s) Oct. 24, 1961; minimum daily, 78 ft3/s (2.21 m3/s) Oct. 23, 24, 1961.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,500 ft3/s (864 m3/s) Mar. 28, gage height, 8.36 ft (2.548 m); minimum, 207 ft3/s (5.86 m3/s) Oct. 28, 29; minimum daily, 207 ft3/s (5.86 m3/s) Oct. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5100	6110	3450	479	13200	1060	5670	5850	649	4530	7040	1870
2	4900	6150	430	5630	3350	2210	14000	5780	9290	5670	1540	4900
3	5960	1800	10300	7280	504	8590	15800	1920	11800	5920	859	4470
4	7240	307	12700	8630	7120	2650	15500	348	11700	4700	2720	4250
5	8850	5780	12700	2700	8850	3090	19300	3880	11700	1440	4900	7610
6	2110	8630	12800	280	8810	3540	9570	5000	11400	2140	4830	1330
7	293	9120	12800	4470	8720	2200	14000	3910	3850	6530	7000	1020
8	5170	9160	2740	6300	8720	3510	14500	6450	574	6180	8760	5450
9	6800	9160	260	6560	3290	2180	14400	5960	9290	4900	1560	1600
10	6840	2290	5060	6490	1060	2550	14600	1560	10600	6800	848	848
11	6600	710	7080	6490	6760	3190	14600	293	8890	8630	4530	710
12	7040	6760	7040	2180	8120	4830	14500	2740	5590	4600	4860	689
13	1850	11700	7000	392	8170	10100	5810	4030	6410	3040	6530	741
14	235	12700	6960	6680	6760	4860	16500	3680	2120	4830	4190	871
15	5200	12400	2000	11000	4530	1330	20700	3350	300	3790	4090	997
16	6880	12600	229	11000	1940	592	19900	3740	2510	4280	1590	1400
17	7080	2630	5480	12000	446	3770	19900	1870	5520	2020	1080	1540
18	6840	248	6000	12000	3570	5700	19900	487	3620	2840	4730	1310
19	6880	11300	5590	12000	4900	5200	16800	6260	4310	1450	4730	1280
20	1890	13700	5590	8000	4860	5670	7080	8940	6220	882	4760	1220
21	229	13700	5630	7910	4860	16400	16000	14000	1850	2050	4730	893
22	7320	6370	1870	6450	4860	14500	17500	12800	286	2590	4700	679
23	5240	8680	224	6560	1630	2310	17500	12400	1940	951	1570	1220
24	4500	2270	1500	6300	430	14700	16600	10700	3190	928	1040	1900
25	6640	241	1870	6180	1500	13600	8330	6300	6680	1590	4700	2410
26	6960	4030	5000	1890	4250	11600	1080	11000	6560	1310	2590	2700
27	1560	13400	6300	430	3210	11300	438	11800	8550	905	3740	2720
28	207	12800	6220	4530	2720	17500	4190	12000	1900	1620	3290	1740
29	4530	12800	1630	6220	3480	19400	5890	11600	380	2650	2450	1150
30	6110	13000	248	6150	---	1540	5850	11400	2390	6110	1500	1570
31	6110	---	1570	12100	---	1310	---	4150	---	5670	1020	---
TOTAL	153164	230546	158271	195281	140620	200982	386408	194198	159989	111546	112477	61088
MEAN	4941	7685	5106	6299	4849	6483	12880	6264	5333	3598	3628	2036
MAX	8850	13700	12800	12100	13200	19400	20700	14000	11800	8630	8760	7610
MIN	207	241	224	280	430	592	438	293	286	882	848	679
MEAN†	3887	8158	3162	7456	3808	12900	10460	6962	3614	2178	1087	1130
CFSM†	1.74	3.66	1.42	3.34	1.71	5.78	4.69	3.12	1.62	0.98	0.49	0.51
IN.†	2.01	4.08	1.64	3.85	1.84	6.66	5.23	3.60	1.81	1.13	0.56	0.57

CAL YR 1979 TOTAL 2368664 MEAN 6489 MAX 24000 MIN 167 MEAN† 6770 CFSM† 3.03 IN.† 40.78
WTR YR 1980 TOTAL 2104570 MEAN 5750 MAX 20700 MIN 207 MEAN† 5414 CFSM† 2.43 IN.† 33.03

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, AND HARTWELL LAKE.

02187500 SAVANNAH RIVER NEAR IVA, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1962 to September 1967, October 1968 to September 1972.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum daily, 28.0°C Aug. 30, 31, 1970; minimum daily, 3.0°C Jan. 31, 1966.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
05...	1730	8810	6.6	13.0	18.0	7.0
MAY						
14...	1410	871	6.3	24.0	13.5	9.7
JUN						
11...	0710	2250	6.4	17.5	14.0	9.4
AUG						
12...	1115	837	6.5	34.0	21.0	7.5

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV											
05...	6	4	.5	450	10	.04	.050	<.020	500	175	<1.0
MAY											
14...	28	1	.2	30	11	.21	<.020	<.020	100	<50	<1.0
JUN											
11...	30	5	.7	80	8	.21	.050	.090	1880	140	<1.0
AUG											
12...	17	15	.4	40	9	.18	.020	.020	240	110	--

02191970 LITTLE MACKS CREEK NEAR LEXINGTON, GA.

LOCATION.--Lat 33°56'28", long 82°52'18", Oglethorpe County, Hydrologic Unit, 03060104, on right bank 10 ft (3.0 m) upstream from culvert wingwall on State Highway 77, 11.3 mi (18.2 km) northeast of junction with U.S. Highway 78 in Lexington.
DRAINAGE AREA.--1.77 mi^2 (4.58 km^2).
PERIOD OF RECORD.--Annual maximum, water years 1960-74, December 1974 to current year. Prior to October 1977, published as Macks Creek Tributary No. 2 near Lexington.
GAGE.--Water-stage recorder. Altitude of gage is 510 ft (155 m), from topographic map. December 9, 1959, to December 4, 1974, crest-stage gage at same site and datum.
REMARKS.--Records good.
AVERAGE DISCHARGE.--5 years, 2.30 ft^3/s (0.065 m^3/s), 17.65 in/yr (448 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 853 ft^3/s (24.2 m^3/s) Nov. 5, 1977, gage height, 10.49 ft (3.197 m); minimum, 0.15 ft^3/s (0.004 m^3/s) Oct. 22, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 100 ft^3/s (2.83 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	(m^3/s)	Gage height (ft)	(m)
Mar. 28	1800	*127	3.60	3.93	1.198

Minimum discharge, 0.28 ft^3/s (0.008 m^3/s) Sept. 24, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.83	.94	1.2	1.2	3.0	2.0	5.8	1.8	1.3	1.2	.64	.52
2	.77	.93	1.1	1.5	2.9	1.9	5.2	1.8	1.3	1.1	.63	.49
3	.68	.88	1.1	1.1	2.8	1.9	4.6	1.7	1.3	1.0	.62	.46
4	1.4	.84	1.1	1.5	2.7	1.9	4.2	1.6	1.2	.98	.60	.46
5	1.7	.84	1.1	1.3	2.6	4.1	3.8	1.6	1.2	.91	.57	.46
6	.98	.86	1.2	1.3	2.6	3.8	3.4	1.5	1.2	.84	.55	.43
7	.83	1.0	1.1	1.3	2.5	3.5	3.5	1.5	1.2	.77	.54	.42
8	.81	.80	1.1	3.8	2.5	16	4.0	1.4	1.1	.98	.55	.42
9	.78	.91	1.0	8.1	4.0	7.5	3.4	1.4	1.1	.88	.53	.42
10	.78	.91	1.3	4.3	6.6	5.2	3.1	1.3	1.0	.84	.52	.49
11	.88	2.9	1.1	4.0	4.6	4.5	2.9	1.3	1.0	.82	.52	.49
12	.77	1.5	1.1	3.6	3.9	14	2.7	1.3	1.0	.80	.54	.48
13	.71	1.2	1.0	3.2	3.4	11	3.2	1.3	.91	.78	.53	.43
14	.68	1.1	.94	4.1	3.1	6.4	16	1.2	.84	.74	.52	.40
15	.71	1.0	.91	3.3	3.0	5.0	6.2	1.2	.77	.70	.55	.38
16	.71	1.0	.91	2.9	3.4	4.4	4.9	1.2	.76	.74	.50	.37
17	.71	.98	.93	18	2.7	6.6	4.3	1.3	1.5	.77	.49	.44
18	.70	1.0	.95	30	2.5	8.4	4.1	1.2	1.7	.75	.49	.48
19	.68	.94	.95	9.1	2.5	5.4	3.8	2.4	1.2	.74	.49	.48
20	.70	1.3	1.0	6.2	2.3	5.7	3.6	13	1.1	.72	.47	.49
21	.72	.91	.90	5.3	2.3	12	3.4	4.5	.98	.70	.43	.45
22	.71	.90	.86	4.5	2.6	6.3	3.2	3.4	.96	.77	.43	.42
23	1.0	.88	.84	4.6	2.2	5.1	3.0	3.3	1.4	1.0	.42	.37
24	.78	.87	1.1	4.0	2.1	6.2	2.7	3.4	2.9	1.2	.42	.32
25	.74	1.8	1.0	3.8	2.2	5.6	2.4	2.4	4.1	.86	.43	.50
26	.71	4.1	.92	3.2	2.0	4.7	2.5	2.0	1.8	.74	.42	.46
27	.69	1.8	.91	3.3	2.0	4.3	2.2	1.9	1.5	.74	.45	.36
28	.70	1.6	.87	3.1	1.9	36	2.1	1.6	1.3	.75	.43	2.6
29	.83	1.8	.85	3.0	2.0	14	1.9	1.5	1.2	.70	.44	3.4
30	1.3	1.4	1.7	2.8	---	12	1.8	1.4	1.3	.66	.61	4.8
31	.95	---	1.3	3.6	---	8.6	---	1.4	---	.65	.68	---
TOTAL	25.94	37.89	32.34	151.0	82.9	234.0	117.9	67.8	40.12	25.83	16.01	22.69
MEAN	.84	1.26	1.04	4.87	2.86	7.55	3.93	2.19	1.34	.83	.52	.76
MAX	1.7	4.1	1.7	30	6.6	36	16	13	4.1	1.2	.68	4.8
MIN	.68	.80	.84	1.1	1.9	1.9	1.8	1.2	.76	.65	.42	.32
CFSM	.48	.71	.59	2.75	1.62	4.27	2.22	1.24	.76	.47	.29	.43
IN.	.54	.80	.68	3.17	1.74	4.92	2.48	1.42	.84	.54	.34	.48

CAL YR 1979 TOTAL 1023.61 MEAN 2.80 MAX 71 MIN .37 CFSM 1.58 IN 21.50
WTR YR 1980 TOTAL 854.42 MEAN 2.33 MAX 36 MIN .32 CFSM 1.32 IN 17.95

02192000 BROAD RIVER NEAR BELL, GA.

LOCATION.--Lat 33°58'27", long 82°46'12", Elbert-Wilkes County line, Hydrologic Unit 03060104, at downstream side of main channel pier of bridge on State Highway 17, 0.5 mi (0.8 km) downstream from Long Creek, 1 mi (1.6 km) south of Bells Crossroads, and 12 mi (19.3 km) southeast of Elberton.

DRAINAGE AREA.--1,430 mi2 (3.700 km2), approximately.

PERIOD OF RECORD.--October 1926 to September 1932, August 1937 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1172: 1928-30. WSP 1383: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 357.16 ft (108.862 m) National Geodetic Vertical Datum of 1929. Prior to October 1928, nonrecording gage at railroad bridge about 1 mi (1.6 km) downstream at datum 1.12 ft (0.34 m) lower. October 1928 to July 1932, and August 1937 to January 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for periods of no gage-height record, Oct. 15-29, May 1-12, June 29 to July 8, and Sept. 4-17, which are fair. Records of chemical analyses for the 1970-79 water years are in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--49 years, 1,825 ft3/s (51.7 m3/s), 17.33 in/yr (440 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,400 ft3/s (2,250 m3/s) Oct. 2, 1929, gage height, 34.8 ft (10.61 m), from rating curve extended above 30,000 ft3/s (850 m3/s) on basis of slope-conveyance studies; minimum, 108 ft3/s (3.06 m3/s) Oct. 8, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1926, that of Oct. 2, 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 14,000 ft3/s (396 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 19	1900	17000	481	19.43	5.922
Mar. 9	2300	15900	450	18.95	5.776
Mar. 30	0300	*21900	620	22.10	6.736

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 15	1100	14100	399	17.62	5.371
May 22	0030	15000	425	17.90	5.456

Minimum daily discharge, 495 ft3/s (14.0 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1480	1340	1530	1480	2590	1460	6410	1940	1950	1500	731	556
2	1340	1260	1430	1400	2170	1510	4400	1910	1880	1400	699	585
3	1140	6050	1370	1330	1940	1530	3690	1900	1810	1300	671	580
4	1060	7070	1320	1310	1840	1500	3350	1880	1740	1270	656	575
5	1440	2500	1300	1560	1760	1870	3070	1840	1680	1240	649	570
6	1560	1880	1300	1570	1740	3830	2800	1820	1630	1210	644	580
7	1240	1660	1350	1410	1800	3010	2650	1810	1630	1180	615	560
8	1100	1530	1330	1470	1740	6950	2730	1800	1620	1150	603	540
9	1020	1440	1260	2980	1870	14500	3220	1770	1550	1130	593	520
10	982	1370	1220	2690	3840	13500	2840	1730	1500	1100	587	510
11	926	2320	1210	2020	3840	5070	2490	1700	1460	1080	575	520
12	884	2930	1200	2350	2660	4120	2390	1680	1420	1060	570	520
13	863	2190	1220	2520	2240	10000	2650	1660	1400	1030	588	510
14	842	1750	1230	2290	2010	11500	8730	1640	1390	1000	579	510
15	825	1550	1220	2540	1890	5150	13400	1670	1370	955	593	505
16	810	1440	1180	2090	1940	3310	4610	1660	1340	950	593	500
17	800	1360	1160	2970	2250	2980	3690	1640	1330	940	616	495
18	780	1310	1150	11100	1960	6540	3150	2660	1480	962	608	505
19	770	1280	1140	16100	1780	6890	2930	2850	1690	936	577	781
20	760	1240	1140	11500	1720	4010	2740	4710	1630	897	599	690
21	760	1220	1120	4180	1690	8170	2580	12900	1510	875	612	910
22	750	1200	1120	3120	1680	11700	2440	10900	1390	862	600	894
23	745	1190	1120	3540	1740	7640	2350	4760	1350	854	569	718
24	750	1200	1130	3590	1730	4190	2250	7950	2220	886	557	670
25	740	1330	1310	2670	1630	5640	2170	8300	5300	1180	549	665
26	720	3010	1400	2340	1540	4150	2110	3960	6440	950	543	705
27	700	4040	1240	2200	1480	3310	2090	3110	4090	894	537	813
28	680	2330	1180	2110	1470	6310	2060	2710	2450	903	531	690
29	810	1890	1150	1980	1460	18300	2010	2390	2000	927	524	1500
30	951	1670	1200	1870	---	20300	1970	2170	1700	868	518	2740
31	1430	---	1510	2050	---	13100	---	2040	---	781	514	---
TOTAL	29658	62550	38740	102330	58000	212040	103970	101460	59950	32270	18400	21417
MEAN	957	2085	1250	3301	2000	6840	3466	3273	1998	1041	594	714
MAX	1560	7070	1530	16100	3840	20300	13400	12900	6440	1500	731	2740
MIN	680	1190	1120	1310	1460	1460	1970	1640	1330	781	514	495
CFSM	.67	1.46	.87	2.31	1.40	4.78	2.42	2.29	1.40	.73	.42	.50
IN.	.77	1.63	1.01	2.66	1.51	5.52	2.70	2.64	1.56	.84	.48	.56

CAL YR 1979 TOTAL 801804 MEAN 2197 MAX 26900 MIN 680 CFSM 1.54 IN 20.86
WTR YR 1980 TOTAL 840785 MEAN 2297 MAX 20300 MIN 495 CFSM 1.61 IN 21.87

02196820 BUTLER CREEK AT FORT GORDON, GA.

LOCATION.--Lat 33°26'33", long 82°07'43", Richmond County, Hydrologic Unit 03060106, on upstream side of old bridge 600 ft (183 m) upstream from U.S. Highways 78 and 278 at Fort Gordon.
DRAINAGE AREA.--7.5 mi2 (19.4 km2).
PERIOD OF RECORD.--October 1968 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 280 ft (85 m), from topographic map.
REMARKS.--Records fair.
AVERAGE DISCHARGE.--12 years, 8.45 ft3/s (0.239 m3/s), 15.30 in/yr (389 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.00 ft (2.134 m), from floodmark, Mar. 3, 1971 (discharge not determined); minimum daily discharge, 0.10 ft3/s (0.003 m3/s) June 29, July 21, 1969.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 150 ft3/s (4.24 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Oct. 4	1945	249	7.05	4.79	1.460	Mar. 18	0330	151	4.28	3.70	1.128
Mar. 13	0130	*360	10.2	5.68	1.731	Mar. 30	1215	159	4.50	3.79	1.155

Minimum daily discharge, 0.42 ft3/s (0.012 m3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	6.0	6.4	10	13	11	24	7.5	3.8	1.7	.90	1.2
2	5.5	27	6.8	8.9	11	11	21	7.2	3.6	1.5	.84	.89
3	4.7	33	6.7	7.7	9.8	11	22	6.9	3.5	1.6	.72	.68
4	60	9.0	6.8	12	9.3	11	34	6.7	3.1	1.7	.66	.58
5	30	7.7	6.9	11	8.9	16	19	6.7	2.8	1.5	.66	.56
6	11	11	11	8.1	12	15	17	6.4	3.0	1.4	.66	.58
7	7.5	9.4	9.9	7.6	13	11	17	5.7	3.4	1.2	1.2	.62
8	6.4	6.6	7.4	8.1	11	59	23	7.1	2.9	1.0	1.9	.53
9	5.9	6.7	6.8	9.9	26	26	21	8.4	2.5	8.3	1.2	.51
10	5.7	6.7	6.7	8.3	36	16	16	6.4	2.4	13	1.1	.76
11	5.7	46	6.7	8.1	16	14	14	5.9	2.4	3.4	.87	.96
12	5.6	24	6.9	8.2	13	90	14	5.6	2.3	2.0	.71	.72
13	5.1	15	7.0	8.0	12	149	19	5.2	2.4	1.6	.65	.66
14	4.8	11	7.2	16	11	32	21	5.1	2.4	1.6	.62	.57
15	5.0	8.8	6.9	9.9	10	22	14	5.5	2.2	1.4	.59	.48
16	5.1	8.5	9.2	8.2	21	20	13	5.1	1.9	1.2	.62	.42
17	5.3	8.2	7.3	12	12	29	12	5.9	2.0	1.1	.63	.44
18	5.1	7.8	6.6	22	10	70	12	7.5	18	1.0	.80	1.3
19	5.0	7.5	6.6	12	9.9	23	12	15	11	.96	.71	.95
20	5.1	7.4	6.5	9.3	9.7	23	11	26	5.4	1.0	.69	.90
21	5.2	7.3	6.4	8.6	9.8	50	11	12	3.7	1.8	.56	.96
22	5.1	7.2	6.6	9.8	27	23	9.9	20	3.4	1.4	.52	1.4
23	5.5	7.8	6.8	26	22	19	9.2	17	3.5	1.5	.51	1.4
24	5.8	8.4	8.9	11	13	33	8.5	14	8.5	2.8	.63	.90
25	5.1	7.6	14	9.5	11	28	8.1	8.1	32	2.1	.79	2.4
26	5.0	11	7.7	13	9.8	20	8.3	6.4	7.5	1.8	.62	2.8
27	4.9	6.2	6.9	19	9.7	19	8.6	5.4	4.4	1.5	.54	1.2
28	5.0	5.8	6.7	12	9.6	75	7.7	4.8	3.2	1.5	.49	5.5
29	5.0	5.6	6.5	9.9	9.3	54	8.6	4.4	2.4	1.4	.47	19
30	6.1	5.5	22	9.1	---	84	8.1	4.2	2.1	1.2	.48	14
31	6.7	---	12	25	---	33	---	4.0	---	1.0	.65	---
TOTAL	256.2	339.7	250.8	358.2	395.8	1097	444.0	256.1	151.7	66.16	22.99	63.87
MEAN	8.26	11.3	8.09	11.6	13.6	35.4	14.8	8.26	5.06	2.13	.74	2.13
MAX	60	46	22	26	36	149	34	26	32	13	1.9	19
MIN	4.7	5.5	6.4	7.6	8.9	11	7.7	4.0	1.9	.96	.47	.42
CFSM	1.10	1.51	1.08	1.55	1.81	4.72	1.97	1.10	.68	.28	.10	.28
IN.	1.27	1.68	1.24	1.78	1.96	5.44	2.20	1.27	.75	.33	.11	.32

CAL YR 1979 TOTAL 4447.50 MEAN 12.2 MAX 150 MIN 1.3 CFSM 1.63 IN 22.06
WTR YR 1980 TOTAL 3702.52 MEAN 10.1 MAX 149 MIN .42 CFSM 1.35 IN 18.36

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, Ga.-Aiken County, S.C., Hydrologic Unit 03060106, at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 187.4 (301.5 km).

DRAINAGE AREA.--7,508 mi2 (19,446 km2), including that of Butler Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932(M). WDR SC-77-1: 1975.

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft (29.438 m), National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896 to Dec. 31, 1906, Jan. 1, 1925 to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft (31.11 m), NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft (31.87 m), NGVD (levels by U.S. Army Corps of Engineers). Oct. 1, 1936 to Nov. 10, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500). Records of chemical analyses for the water years 1968-72 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--73 years, 10,300 ft^3/s (292 m^3/s), 18.63 in/yr (473 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 350,000 ft^3/s (9,910 m^3/s) Oct. 3, 1929; maximum gage height, 46.3 ft (14.11 m) Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft^3/s (18.4 m^3/s) Sept. 24, 1939, from rating curve extended below 1,400 ft^3/s (39.6 m^3/s); minimum daily, 1,040 ft^3/s (29.5 m^3/s) Oct. 2, 1927.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred in 1796, discharge, 360,000 ft^3/s (10,200 m^3/s), gage height, 40 ft (12.2 m), marked by local residents, at site and datum of Fifth Street gage, by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,200 ft^3/s (1,340 m^3/s) Mar. 31, gage height, 22.33 ft (6.806 m); minimum daily, 5,970 ft^3/s (169 m^3/s) Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8230	6860	13300	7410	21000	7990	40900	10500	8420	9030	7880	6410
2	9370	7030	11200	7680	18200	8520	37000	10300	9000	9080	7100	6280
3	9400	7350	11400	8680	13800	12800	36300	9670	16800	9430	6690	6940
4	9450	7940	16100	8030	13000	10200	36600	8410	19100	9510	6110	7250
5	9870	6700	15600	7990	15300	7930	36500	7980	19500	8430	6230	7120
6	9640	6930	15500	7320	17200	7670	35000	9970	19100	7350	7000	8660
7	9350	8700	15200	6880	18500	8560	34900	8310	17200	6660	7310	6950
8	9120	9030	13400	7120	16600	10100	35300	6810	14300	6600	7880	6280
9	8840	9110	10900	7730	14300	15400	35800	7970	12200	6840	9540	7510
10	8690	9000	10400	11000	13400	17100	36200	7760	18300	9380	8250	7210
11	9420	9230	13400	10500	14900	15000	32000	7280	19100	8750	7700	6820
12	9330	9220	13600	8690	17100	23700	26600	6970	18800	8170	8980	6850
13	9080	10500	13200	7780	16100	36400	24100	7560	15400	8150	8420	6960
14	8860	15600	13500	8440	15200	39000	23900	7280	12800	7480	7580	6730
15	8350	16900	12900	9990	13000	26400	28600	7230	9730	8790	7220	6200
16	8900	13500	10600	10400	11300	23000	28100	7140	7410	8640	7280	8500
17	8730	12400	9190	10200	10000	24000	27300	7200	8360	7760	6800	8760
18	8170	10000	12900	11700	9260	32200	26300	7450	8910	7530	6510	6580
19	8380	10100	13000	15100	9550	32700	25000	9070	8050	7200	7570	6550
20	8640	12700	12300	15500	9100	24800	25100	9330	8040	6820	7830	7050
21	8360	13600	11700	12900	8860	23700	23400	9770	8250	6500	6910	6910
22	7890	13400	10000	19600	8860	28500	25200	11300	7620	6370	6620	6450
23	8520	11900	7730	22900	8620	25100	25400	14300	6860	6750	7030	6460
24	8320	10500	7370	24200	8510	27600	22400	14900	6750	7120	6700	7050
25	7620	7850	8080	23400	8890	28800	18200	13400	7770	7170	6060	7080
26	7480	9280	8510	21900	8430	29800	15000	12800	7790	7240	6830	7290
27	7190	13800	8540	16800	8090	29300	11700	18100	7960	7180	6250	7880
28	6920	15500	8310	15500	8020	30200	9020	19100	9030	6420	5970	7350
29	7080	15000	7830	20400	7910	36200	10100	18700	7520	6570	6750	7290
30	7410	14300	7310	20800	---	43300	10500	17600	7520	7300	7350	7460
31	6600	---	7240	21500	---	46000	---	14900	---	9110	6720	---
TOTAL	263210	323930	350210	408040	363000	731970	802420	329060	347590	239330	223070	212830
MEAN	8491	10800	11300	13160	12520	23610	26750	10610	11590	7720	7196	7094
MAX	9870	16900	16100	24200	21000	46000	40900	19100	19500	9510	9540	8760
MIN	6600	6700	7240	6880	7910	7670	9020	6810	6750	6370	5970	6200

CAL YR 1979 TOTAL 4275310 MEAN 11710 MAX 32500 MIN 5940 MEAN† 12400 CFSM† 1.65 IN.† 22.42
WTR YR 1980 TOTAL 4594660 MEAN 12550 MAX 46000 MIN 5970 MEAN† 11950 CFSM† 1.59 IN.† 21.67

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, AND CLARKS HILL RESERVOIR.

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1949 to September 1950, February 1968 to September 1972, July 1973 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1973 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.0°C July 30, 1974, July 8, 9, 20-22, Aug. 4-6, 23, 1980; minimum, 4.5°C Jan. 30, 31, Feb. 2, 4, 1977, Feb. 19, 20, 1979.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.0°C July 8, 9, 20-22, Aug. 4-6, 23; minimum, 6.5°C Feb. 11, Mar. 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.5	22.5	---	---	15.0	14.5	11.5	11.0	8.5	8.0	10.5	10.0
2	23.5	22.5	---	---	14.5	14.5	11.0	11.0	8.5	8.0	9.5	7.5
3	23.0	22.0	---	---	14.0	13.5	11.0	10.5	8.5	8.0	7.5	6.5
4	22.5	21.5	---	---	14.5	13.5	11.0	11.0	8.5	8.0	8.5	8.0
5	22.0	21.5	---	---	14.5	14.0	11.0	10.0	8.5	8.0	9.0	8.5
6	21.0	20.5	---	---	15.0	14.5	10.0	9.5	8.5	8.0	10.0	9.0
7	21.5	20.5	---	---	15.0	14.5	9.5	9.0	8.5	8.0	10.5	10.0
8	21.5	20.5	---	---	14.5	14.0	10.0	9.5	8.5	8.0	10.5	10.0
9	22.0	20.5	---	---	14.0	14.0	11.0	10.0	8.0	8.0	12.5	10.5
10	22.0	21.0	---	---	14.0	13.5	11.0	10.5	8.0	7.5	12.5	12.0
11	21.0	20.5	---	---	14.0	13.5	10.5	10.0	7.5	6.5	12.0	10.5
12	21.0	20.0	---	---	14.5	14.0	10.5	10.0	8.0	7.5	10.0	8.5
13	21.5	20.0	---	---	15.0	14.5	10.5	10.0	8.5	7.5	9.0	8.5
14	21.5	20.0	---	---	15.0	14.0	9.5	9.0	8.5	8.0	9.0	8.0
15	20.5	19.5	---	---	14.5	13.0	10.0	9.0	8.5	8.0	10.0	9.0
16	20.5	19.5	---	---	13.0	13.0	10.5	10.0	9.0	8.5	10.5	9.5
17	21.0	20.0	---	---	13.0	12.5	10.5	10.5	9.0	8.5	10.5	10.0
18	21.5	20.5	---	---	12.5	12.5	11.0	10.5	8.5	8.5	11.5	9.5
19	22.0	21.0	---	---	12.5	12.0	11.0	10.0	8.5	8.0	12.5	10.5
20	22.5	21.0	---	---	13.0	12.5	11.0	10.5	9.0	8.0	12.5	10.5
21	22.5	21.5	---	---	12.5	12.5	10.5	10.0	9.5	8.5	12.0	10.5
22	22.5	21.5	---	---	12.5	12.0	10.0	9.5	9.5	9.0	12.0	10.5
23	22.0	21.0	---	---	12.5	12.5	10.0	9.5	10.5	9.5	12.0	11.5
24	21.0	20.0	---	---	13.0	12.5	9.5	9.0	11.5	10.5	11.5	10.5
25	20.0	19.5	---	---	13.0	12.5	10.0	9.5	12.0	11.0	11.0	10.0
26	20.0	19.0	---	---	12.5	12.0	10.0	9.5	11.0	9.5	---	---
27	19.5	19.0	---	---	12.0	11.5	9.5	9.5	10.0	8.5	---	---
28	20.0	19.0	17.0	16.5	12.0	11.5	9.5	9.5	10.0	8.5	---	---
29	20.0	20.0	16.5	15.0	12.0	11.5	10.0	9.5	11.0	10.0	---	---
30	---	---	15.0	14.5	12.0	11.5	9.5	9.0	---	---	---	---
31	---	---	---	---	11.5	11.5	9.5	8.5	---	---	---	---
MONTH	23.5	19.0	17.0	14.5	15.0	11.5	11.5	8.5	12.0	6.5	12.5	6.5

02197000 SAVANNAH RIVER AT AUGUSTA, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	16.5	15.0	19.5	17.5	24.5	21.0	24.5	21.0	25.0	24.5
2	12.0	12.0	16.5	15.5	21.0	18.0	22.0	20.0	24.5	21.5	25.5	24.5
3	12.0	11.5	17.0	16.0	20.0	16.5	21.5	20.0	24.5	22.0	25.5	24.5
4	12.5	11.5	17.5	15.5	18.5	16.5	21.5	20.0	26.0	24.0	25.0	23.0
5	13.5	12.0	18.0	16.5	18.5	16.5	22.5	20.0	26.0	25.0	24.5	23.0
6	13.5	12.0	17.5	16.5	18.0	16.5	23.5	20.5	26.0	24.0	24.5	22.5
7	13.0	12.0	18.5	16.0	18.5	16.5	25.5	22.5	25.5	23.0	24.5	21.5
8	13.0	12.5	18.5	18.0	19.0	17.5	26.0	24.5	25.5	22.5	25.0	23.5
9	13.5	12.0	18.5	17.5	19.5	18.5	26.0	23.0	25.0	21.5	25.0	24.0
10	14.0	13.0	18.0	16.5	18.5	17.0	24.5	20.5	22.5	21.0	24.5	21.5
11	14.5	13.0	18.5	17.5	18.5	16.5	22.5	20.5	25.5	21.5	23.0	21.5
12	14.0	13.5	19.0	17.5	18.5	17.0	24.5	21.0	25.5	22.0	23.5	21.5
13	14.0	13.0	19.0	18.0	18.5	17.0	23.5	21.5	24.5	21.5	23.5	22.0
14	14.5	13.5	19.0	18.0	19.0	18.0	25.5	22.0	25.0	21.5	24.0	22.5
15	14.0	13.0	19.0	18.0	19.5	18.5	25.5	22.5	25.5	23.0	24.5	23.0
16	14.5	13.5	18.5	18.0	22.0	19.0	24.0	20.5	25.5	23.5	25.0	22.5
17	14.5	13.5	18.5	18.0	22.0	20.5	25.0	21.5	25.0	22.5	24.0	21.5
18	14.5	13.5	18.0	18.0	21.0	19.5	24.5	21.5	25.0	23.0	23.5	21.0
19	14.5	13.5	18.5	17.0	20.5	19.0	25.0	22.0	25.0	22.5	25.0	23.5
20	15.0	13.5	18.0	17.0	21.0	19.5	26.0	24.0	25.0	21.5	24.5	23.0
21	15.0	14.0	18.0	17.0	21.5	20.0	26.0	24.0	25.5	23.0	24.0	23.0
22	15.5	14.0	18.5	17.0	21.5	20.0	26.0	24.5	25.5	24.0	24.5	23.5
23	15.5	14.5	17.5	15.5	22.0	20.5	25.5	23.0	26.0	24.5	25.0	24.5
24	16.0	14.5	17.0	15.5	22.5	21.0	23.5	22.0	25.0	23.0	25.0	24.0
25	16.0	15.0	17.5	16.5	22.5	20.5	22.0	21.0	24.0	23.5	25.0	23.5
26	17.0	15.0	18.0	17.0	21.5	20.0	23.0	21.0	24.0	22.0	25.0	24.0
27	16.0	15.0	17.5	15.5	22.0	20.5	23.0	21.0	23.5	21.5	24.5	22.5
28	17.5	16.0	17.5	16.0	23.0	20.5	25.0	22.0	24.5	23.0	23.0	21.0
29	16.5	15.5	17.5	16.0	23.0	21.0	25.0	24.0	24.5	23.5	21.0	19.5
30	16.0	15.5	17.5	16.5	25.0	22.0	25.0	21.0	24.5	22.0	20.0	19.5
31	---	---	17.5	16.5	---	---	24.0	21.0	25.0	22.5	---	---
MONTH	17.5	11.5	19.0	15.0	25.0	16.5	26.0	20.0	26.0	21.0	25.5	19.5
YEAR	26.0	6.5										

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, S.C.-Burke County, Ga., Hydrologic Unit 03060106, on left bank 1.4 mi (2.3 km) downstream from Upper Three Runs Creek, 6.2 mi (10.0 km) south of Jackson, 15.2 mi (24.5 km) upstream from Steel Creek, and at mile 156.8 (252.3 km).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1971 to current year, discharge defined below 20,000 ft3/s (566 m3/s), only.

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m), National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500.)

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 20.74 ft (6.322 m) Apr. 1, 1980; minimum daily discharge, 5,770 ft3/s (163 m3/s) Jan. 2, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.74 ft (6.322 m) Apr. 1; minimum daily discharge, 5,930 ft3/s (168 m3/s) Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8550	6720	15900	7220	---	7570	---	11700	16000	8580	9310	6580
2	9500	6960	14600	7400	---	7860	---	11600	10500	9550	7340	6240
3	9990	7540	12100	8100	19600	10300	---	11100	14200	9790	6760	6410
4	10000	8140	14900	8470	17100	13100	---	9520	17500	10200	6240	6980
5	10400	8010	16800	7900	16800	9110	---	8120	18900	9810	5930	7130
6	10800	6930	17300	7530	17300	7640	---	9550	19600	7980	6270	7960
7	10200	7760	17500	6790	18300	7950	---	9910	19800	7110	6920	7910
8	9800	9530	17000	6620	18900	9230	---	7310	19200	6520	7290	6650
9	9430	9360	15300	6840	18500	13600	---	7250	17000	6550	8990	6600
10	8880	9500	11800	9210	17400	16900	---	8090	16900	7850	9720	7490
11	9380	9360	13400	11800	16600	17400	---	7450	18500	10100	7700	6840
12	9860	10500	14900	10300	17400	18000	---	6960	19400	8530	8300	6740
13	9590	10400	15100	8030	18000	---	---	6880	19400	8650	9420	6780
14	9350	14300	15000	7470	17800	---	---	7320	18100	7790	7880	6750
15	8600	16500	14900	9830	17100	---	---	6980	15400	8210	7320	6340
16	8810	17000	14000	10800	15200	---	---	6940	10800	8940	7200	6950
17	8970	15600	10200	11000	13100	---	---	6930	8540	8650	7050	8990
18	8580	13400	11900	11100	10700	---	---	7120	9790	7590	6520	8010
19	8120	9940	14200	14300	10000	---	---	8020	10100	7330	6660	6320
20	8540	12600	14100	16200	10000	---	---	9910	9020	6880	8030	6570
21	8860	14200	13600	15600	9190	---	---	9970	8940	6660	7470	6860
22	7880	15000	12400	16300	8950	---	---	11200	8550	6330	6580	6560
23	8350	14700	9170	18400	9220	---	---	14100	7690	6380	6690	6290
24	8510	12600	7480	19800	8570	---	---	16200	7010	6810	6860	6480
25	7860	9840	7480	---	9040	---	---	16500	7510	7150	6290	7170
26	7330	7710	8400	---	8690	---	---	15300	8540	7250	6400	7310
27	7180	12700	8520	---	8130	---	18300	16300	8440	7290	6720	7870
28	6690	15100	8450	19800	7760	---	14100	18200	9050	6880	6100	7810
29	6780	15800	8040	19200	7680	---	11500	19000	8980	6350	6320	7700
30	7260	16100	7260	19700	---	---	11600	19300	7450	6700	7120	7910
31	7050	---	7200	---	---	---	---	19200	---	8060	7090	---
TOTAL	271100	343800	388900	---	---	---	---	343930	390810	242470	224490	212200
MEAN	8745	11460	12550	---	---	---	---	11090	13030	7822	7242	7073
MAX	10800	17000	17500	---	---	---	---	19300	19800	10200	9720	8990
MIN	6690	6720	7200	---	---	---	---	6880	7010	6330	5930	6240

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1972 to June 1974.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: October 1971 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 26.0°C Aug. 14, 1973, July 31, Aug. 27, 28, 1974, Aug. 19, 20, 1975, Aug. 8-11, 30, 31, Sept. 1, 1977, Sept. 3, 1980; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1, 1977, Feb. 9, 1978.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum, 26.0°C Sept. 3; minimum, 6.5°C Feb. 3-4, 11-12.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.0	22.5	20.0	19.5	14.0	13.0	11.0	10.5	8.5	7.5	11.0	9.5
2	23.5	22.5	20.5	20.0	13.5	12.5	10.5	10.0	7.5	7.0	9.5	7.5
3	23.0	22.0	20.5	19.5	13.0	12.0	10.5	10.0	7.0	6.5	7.5	7.0
4	22.0	21.5	19.5	18.5	13.5	12.5	10.5	10.0	7.5	6.5	9.0	7.5
5	21.5	21.0	18.0	17.0	13.5	13.5	10.0	9.5	8.0	7.5	10.5	9.0
6	21.0	20.5	17.5	17.0	14.0	13.0	9.5	9.0	8.0	7.5	11.0	10.5
7	20.5	20.0	17.5	16.5	14.0	13.5	11.0	8.5	8.0	7.5	11.5	11.0
8	20.5	20.0	17.5	17.0	14.0	13.5	10.0	10.0	8.0	7.5	11.5	11.5
9	21.0	20.5	18.5	17.5	13.0	12.5	10.0	9.5	8.0	7.5	12.0	11.5
10	21.0	20.5	19.0	18.5	13.0	12.0	---	---	8.0	7.5	12.5	12.0
11	21.0	20.5	19.0	19.0	13.5	13.0	---	---	7.5	6.5	13.5	12.5
12	20.5	20.0	19.0	18.0	13.5	13.5	---	---	7.5	6.5	12.0	9.5
13	20.5	20.0	18.0	17.5	14.5	13.5	---	---	7.5	7.5	9.5	9.0
14	20.5	20.0	17.5	17.5	14.5	14.0	---	---	8.0	7.5	9.5	9.0
15	20.0	19.5	17.5	17.0	14.0	13.0	---	---	8.5	8.0	10.5	9.5
16	19.5	19.0	17.0	15.5	13.0	12.0	---	---	9.5	8.5	11.5	10.5
17	20.0	19.5	16.5	16.0	12.0	12.0	---	---	9.5	9.0	12.0	11.5
18	21.0	20.0	16.5	16.0	12.0	11.5	---	---	9.0	8.0	12.5	12.0
19	21.5	20.5	17.0	16.0	12.0	11.5	---	---	8.5	8.0	12.5	12.0
20	21.5	21.0	17.0	16.5	11.5	11.0	---	---	9.0	8.5	12.5	12.5
21	22.0	21.0	17.0	16.5	11.5	11.0	---	---	9.5	9.0	13.5	12.5
22	22.0	21.5	17.0	16.5	11.5	11.0	---	---	10.5	9.5	13.5	12.5
23	22.0	21.0	17.5	17.0	12.0	11.0	---	---	11.5	10.5	13.0	12.5
24	21.0	20.5	18.0	17.0	12.5	12.0	9.5	9.0	12.5	11.5	13.0	12.5
25	20.5	19.5	18.0	17.5	12.5	12.0	9.5	9.0	12.5	12.0	12.5	12.0
26	19.5	18.5	18.5	18.0	12.0	11.5	9.5	9.5	13.0	11.0	12.5	12.0
27	19.0	18.5	18.0	17.0	11.5	11.0	9.5	9.5	11.0	9.5	12.5	12.0
28	19.0	18.0	17.0	16.5	11.0	11.0	10.0	9.5	10.0	9.0	12.5	12.0
29	19.0	18.5	16.5	15.0	11.5	11.0	10.0	9.5	11.5	10.0	12.0	11.5
30	20.0	19.0	15.0	14.0	11.5	11.0	9.5	9.5	---	---	12.5	12.0
31	20.0	19.5	---	---	11.5	11.0	9.5	8.5	---	---	13.0	12.5
MONTH	23.5	18.0	20.5	14.0	14.5	11.0	11.0	8.5	13.0	6.5	13.5	7.0

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.5	13.0	16.5	16.5	19.5	18.5	24.5	23.0	24.0	23.0	25.5	23.5
2	14.0	13.5	17.0	16.5	21.0	19.5	23.5	22.0	25.0	23.5	25.5	24.5
3	14.0	13.5	17.0	17.0	21.5	18.5	23.0	21.5	25.0	23.0	26.0	24.5
4	14.0	13.0	17.5	17.0	19.0	18.0	22.5	21.5	25.0	23.5	25.5	24.5
5	14.0	13.5	18.0	17.0	19.0	18.0	22.5	22.0	25.5	24.5	25.0	24.0
6	14.0	13.0	19.0	17.5	19.0	18.5	24.5	22.0	25.5	25.0	25.0	24.0
7	14.0	14.0	18.5	17.5	19.5	18.5	24.5	23.0	25.5	24.5	25.0	24.0
8	14.5	14.0	19.0	18.0	20.0	18.5	25.5	24.0	25.0	24.0	25.0	23.5
9	15.0	14.0	19.0	18.5	20.5	19.5	25.5	24.5	25.0	23.5	25.5	24.5
10	15.0	14.5	18.5	18.0	20.5	18.0	25.0	24.0	24.0	23.0	25.0	24.0
11	15.0	14.5	19.0	17.5	19.0	18.0	23.5	22.5	24.0	23.0	24.0	23.0
12	15.0	15.0	20.0	18.5	19.0	18.0	24.0	22.5	---	---	24.0	23.5
13	15.5	15.0	20.0	19.5	19.5	18.5	25.0	23.0	---	---	24.5	23.5
14	15.5	15.5	20.5	19.5	19.5	18.5	24.5	23.5	---	---	24.5	23.5
15	15.5	14.5	20.5	19.5	20.0	19.5	25.0	23.5	---	---	25.0	24.0
16	14.5	14.0	20.5	19.5	21.5	20.5	25.0	23.0	---	---	25.5	24.0
17	14.5	14.0	19.5	19.0	22.5	21.0	24.5	22.5	---	---	25.0	23.5
18	15.0	14.5	20.0	19.0	22.5	21.0	25.0	23.0	---	---	24.5	23.5
19	15.0	14.5	20.0	19.5	21.5	20.5	25.0	23.0	---	---	24.5	24.0
20	15.0	14.5	19.5	19.0	22.0	21.0	25.0	23.5	25.0	24.5	25.0	24.0
21	15.5	15.0	19.5	19.0	22.0	21.0	25.5	24.5	25.0	23.5	24.5	23.5
22	16.0	15.5	19.0	18.5	23.0	21.0	25.5	24.5	25.5	24.0	24.5	24.0
23	16.5	15.5	19.0	17.0	22.5	21.5	25.0	24.5	25.5	24.5	25.0	24.0
24	17.0	16.0	17.5	16.5	22.5	21.5	25.0	23.5	25.0	24.0	25.0	24.0
25	17.5	16.5	19.0	17.0	23.0	22.0	23.5	22.5	24.5	23.5	25.0	24.0
26	17.5	17.0	19.0	18.0	22.5	21.5	23.5	22.0	24.0	23.5	24.5	23.5
27	17.5	17.0	19.0	17.0	23.0	21.5	23.5	23.0	24.0	23.0	24.5	23.5
28	17.5	17.0	18.0	17.0	23.5	22.0	24.0	22.5	24.0	23.0	23.5	22.0
29	17.5	16.5	18.5	17.5	24.0	22.5	24.5	23.5	24.5	24.0	21.5	21.0
30	17.0	16.5	18.5	17.5	24.0	22.5	25.0	24.0	24.5	24.0	---	---
31	---	---	18.5	17.5	---	---	25.0	23.5	24.5	23.5	---	---
MONTH	17.5	13.0	20.5	16.5	24.0	18.0	25.5	21.5	25.5	23.0	26.0	21.0
YEAR	26.0	6.5										

02197370 SAVANNAH RIVER BELOW STEEL CREEK, NEAR MILLET, S.C.

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, S.C.-Burke County, Ga., Hydrologic Unit 3060106, on left bank 2.8 mi (4.5 km) downstream from Steel Creek, 12.6 mi (20.3 km) upstream from Lower Three Runs, 3.7 mi (6.0 km) west of Millet, and at mile 138.8 (223.3 km).
PERIOD OF RECORD.--Water years 1972 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURE: Maximum, 27.5°C July 9, Aug. 6, 1980; minimum, 4.0°C Jan. 20, 1977.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 27.5°C July 9, Aug. 6; minimum, 6.5°C Feb. 3-5, Mar. 4.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.0	23.0	20.0	19.0	14.0	11.5	11.5	11.0	8.5	7.5	11.5	10.0
2	24.0	23.0	20.5	19.0	14.0	12.0	11.0	10.5	7.5	7.0	10.0	8.5
3	23.5	23.0	20.5	19.5	14.0	12.5	10.5	10.0	7.0	6.5	8.5	7.5
4	23.0	22.0	19.5	18.0	12.0	11.0	10.5	10.0	7.0	6.5	7.5	6.5
5	22.5	21.5	18.0	17.5	---	---	10.0	10.0	7.5	6.5	9.0	7.5
6	21.5	20.5	17.5	16.5	---	---	10.0	9.0	7.5	7.0	11.0	9.0
7	21.0	20.0	17.0	16.5	---	---	9.5	8.5	7.5	7.0	12.0	11.0
8	21.0	19.5	17.5	16.5	---	---	10.0	9.5	7.5	7.0	12.5	12.0
9	21.5	20.0	18.0	17.0	---	---	10.5	10.0	7.5	7.5	12.5	12.0
10	21.0	21.0	19.0	17.5	---	---	10.5	10.5	7.5	7.0	12.5	11.5
11	21.0	20.5	19.0	18.5	---	---	11.0	10.5	7.5	7.0	13.0	12.5
12	21.0	20.0	18.5	18.0	---	---	11.0	10.5	7.5	7.0	13.0	10.5
13	21.0	20.0	18.0	17.0	---	---	11.0	10.0	7.5	7.0	10.0	9.5
14	21.0	20.0	17.0	17.0	---	---	10.0	9.5	8.0	7.5	10.0	9.0
15	20.0	19.5	17.0	16.5	---	---	10.5	9.5	9.0	8.0	10.0	9.5
16	20.0	19.0	16.5	16.0	---	---	10.5	9.5	9.5	8.5	10.5	10.0
17	20.5	19.0	16.5	15.0	---	---	11.0	10.5	9.5	9.0	11.5	10.5
18	21.5	20.0	16.0	15.5	11.5	11.5	12.0	11.0	9.0	8.5	12.5	12.0
19	22.0	21.0	16.5	15.5	11.5	11.0	12.0	11.0	9.0	8.0	12.5	12.0
20	22.5	21.5	17.0	16.0	11.5	11.0	11.0	10.5	9.5	8.5	13.0	12.5
21	22.5	21.5	16.5	16.0	11.5	11.0	11.0	10.5	10.0	9.0	13.5	12.5
22	22.5	22.0	17.0	16.0	11.5	11.0	11.0	10.5	11.0	10.0	13.5	12.5
23	22.5	21.5	17.5	16.5	12.0	11.5	10.5	10.0	12.5	11.0	13.0	12.5
24	22.0	20.5	18.0	17.0	13.0	12.0	10.0	9.5	13.0	12.0	13.0	13.0
25	20.5	19.5	18.5	17.5	12.5	12.0	9.5	9.0	13.0	12.5	13.0	12.5
26	19.5	19.0	18.5	17.5	12.0	11.5	9.5	9.5	12.5	11.0	13.0	12.5
27	19.0	18.5	18.0	16.5	12.0	11.5	9.5	9.5	11.0	10.0	12.5	12.5
28	19.0	18.0	16.5	13.0	11.5	11.0	10.0	9.5	11.0	10.0	12.5	12.0
29	19.5	18.5	13.5	11.5	11.5	10.5	10.0	9.5	11.5	10.5	12.0	12.0
30	20.0	18.5	14.0	12.5	11.5	11.5	9.5	9.5	---	---	12.5	12.0
31	20.0	19.0	---	---	11.5	10.5	9.5	8.5	---	---	13.5	12.5
MONTH	24.0	18.0	20.5	11.5	14.0	10.5	12.0	8.5	13.0	6.5	13.5	6.5

02197370 SAVANNAH RIVER BELOW STEEL CREEK, NEAR MILLET, S.C.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.0	13.0	17.5	16.5	20.0	19.0	25.5	24.0	25.0	24.5	25.5	24.0
2	14.0	13.5	18.0	16.5	21.5	19.5	25.0	24.0	25.5	24.5	26.5	23.5
3	14.5	14.0	18.0	17.0	22.5	21.0	24.5	23.0	26.0	25.5	26.5	24.5
4	14.5	14.0	18.5	16.5	21.0	19.0	24.0	22.5	26.5	25.0	26.5	25.0
5	14.0	13.5	18.5	18.0	19.0	18.0	24.5	23.0	27.0	25.0	26.0	24.5
6	14.0	13.5	19.0	18.5	19.5	18.0	25.0	23.0	27.5	26.0	26.0	25.0
7	14.0	14.0	19.0	18.5	20.0	19.0	25.5	24.5	27.0	25.0	25.5	25.0
8	14.5	14.0	19.5	18.5	20.5	19.0	26.5	25.0	26.5	25.5	25.5	24.5
9	15.0	14.5	19.5	19.0	21.0	20.0	27.5	25.5	26.0	25.0	26.0	24.5
10	15.0	14.5	19.5	18.5	21.0	20.0	27.0	25.5	25.5	24.0	25.0	24.5
11	15.0	14.5	19.5	18.5	19.5	18.5	25.5	24.0	25.5	23.5	24.5	24.0
12	15.0	15.0	21.0	19.0	19.5	18.5	25.5	23.5	25.5	24.5	25.0	24.0
13	15.5	15.0	22.0	20.5	19.5	18.5	25.5	22.5	26.0	24.5	25.0	23.5
14	16.0	15.5	22.0	21.0	19.5	19.0	25.5	24.5	25.5	24.5	25.5	24.0
15	15.5	15.0	22.0	21.0	21.0	19.5	26.0	23.5	25.5	24.5	25.5	24.0
16	15.0	14.0	21.5	20.5	22.5	20.5	26.0	23.5	26.0	25.0	25.5	24.0
17	15.0	14.5	21.0	20.0	22.5	22.0	26.0	24.5	25.5	24.5	25.5	24.5
18	15.0	14.5	21.5	19.5	23.0	22.0	26.0	24.5	25.5	24.5	24.5	23.5
19	15.0	15.0	21.5	20.5	22.0	21.0	26.0	25.0	26.0	24.5	25.5	24.0
20	15.5	14.5	20.5	20.0	22.0	21.0	26.5	25.0	25.5	25.0	25.5	24.5
21	16.0	15.0	21.0	19.5	23.0	21.5	26.5	24.5	25.5	25.0	25.5	24.5
22	16.0	15.5	20.5	19.5	23.0	22.0	26.5	25.0	26.5	25.0	25.5	24.5
23	17.0	15.5	19.5	18.0	23.5	22.0	26.5	25.0	26.5	25.0	26.0	24.5
24	17.5	16.5	18.0	17.5	23.5	22.0	26.5	25.0	26.0	25.0	26.0	25.0
25	18.0	17.0	18.5	17.5	24.0	23.0	25.0	24.0	25.5	24.5	26.0	24.5
26	17.5	17.0	19.0	18.5	23.5	22.5	25.0	23.5	25.0	23.5	25.0	24.5
27	18.0	17.5	19.5	18.5	24.0	22.5	25.0	24.0	25.0	23.5	24.5	23.5
28	18.0	17.0	18.5	17.5	24.5	23.5	25.5	23.5	25.5	24.0	23.5	22.0
29	18.0	17.0	18.5	17.5	25.0	23.5	26.0	24.0	25.5	24.0	22.0	20.5
30	18.0	17.0	19.0	18.0	25.0	24.0	26.5	24.5	25.5	24.5	20.5	20.0
31	---	---	19.0	18.5	---	---	26.5	25.0	25.5	24.0	---	---
MONTH	18.0	13.0	22.0	16.5	25.0	18.0	27.5	22.5	27.5	23.5	26.5	20.0
YEAR	27.5	6.5										

02197520 BRIER CREEK NEAR THOMSON, GA.

LOCATION.--Lat 33°22'06", long 82°28'06", McDuffie County, Hydrologic Unit 03060108, on downstream side of bridge on State Highway 17, 0.2 mi (0.3 km) upstream from Sweetwater Creek, and 6.9 mi (11.1 km) south of Thomson.

DRAINAGE AREA.—55 mi2 (142 km2), approximately.

PERIOD OF RECORD.--July 1967 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 300 ft (101 m), from topographic map.

REMARKS.—Records fair except those for periods of no gage-height record, Jan. 4-10, Apr. 24 to May 7, which are poor. Low flows affected by diversions and return flow from the city of Thomson.

AVERAGE DISCHARGE.—13 years, 50.1 ft3/s (1.42 m3/s), 12.37 in/yr (314 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 4,810 ft3/s (136 m3/s) Mar. 3, 1971, gage height, 18.09 ft (5.514 m), from floodmark; minimum daily, 0.24 ft3/s (0.007 m3/s) Sept. 24, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.—A discharge of 0.007 ft3/s (0.0002 m3/s) was measured on Oct. 14, 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,000 ft3/s (28.3 m3/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 9	0100	1380	39.1	11.30	3.444	Mar. 18	0900	1920	54.4	12.66	3.859
Mar. 13	0900	*3730	106	16.39	4.996	Mar. 29	0500	1430	40.5	11.46	3.493

Minimum daily discharge, 0.48 ft3/s (0.014 m3/s) Aug. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	6.6	12	33	101	48	195	23	13	3.8	.96	.75
2	11	12	12	32	66	57	149	21	12	3.1	.83	.77
3	7.4	28	11	31	56	51	138	19	9.7	2.9	.90	.83
4	17	13	11	29	50	49	257	17	8.8	2.8	.74	.57
5	47	8.3	12	28	45	83	144	16	6.9	2.4	.86	1.1
6	20	7.1	21	45	53	123	112	14	6.9	2.1	.76	1.5
7	12	6.8	33	36	72	71	101	13	6.7	2.0	.82	1.4
8	8.7	6.6	21	26	68	443	131	16	5.8	1.9	1.1	1.4
9	7.2	6.5	17	25	152	718	152	23	4.9	1.8	1.0	1.1
10	6.3	7.2	15	27	455	183	100	15	4.2	4.9	1.1	1.2
11	6.0	61	14	30	182	127	82	12	4.1	2.2	.82	1.2
12	5.5	66	14	30	123	354	76	10	3.8	1.9	.79	1.2
13	4.9	28	14	26	93	2280	94	8.9	3.5	1.7	.72	.95
14	4.4	20	14	44	75	384	126	8.7	3.2	1.5	.72	.71
15	4.2	16	14	47	69	208	94	10	3.0	1.4	.80	.55
16	4.2	14	16	34	168	163	69	10	2.6	1.7	.82	.52
17	4.3	12	15	44	121	204	60	9.3	2.9	1.6	.77	.54
18	4.3	12	13	235	77	1250	57	12	14	1.2	.66	.62
19	5.4	11	12	149	66	318	68	29	8.7	1.2	.65	.75
20	4.9	10	12	77	63	205	57	129	6.6	1.2	.80	.97
21	6.4	11	11	59	59	560	49	66	5.3	1.4	.54	1.1
22	5.1	11	12	54	246	280	46	36	4.2	1.3	.48	.81
23	4.9	12	12	183	393	165	42	443	3.6	2.4	.52	.72
24	5.8	12	14	96	131	173	40	155	13	2.0	.61	.72
25	5.1	12	31	66	90	167	38	71	48	1.5	.65	.58
26	4.8	38	21	66	67	122	36	44	30	1.4	.62	1.0
27	4.5	25	16	112	57	114	33	31	14	1.2	.52	.82
28	4.5	18	15	81	54	463	31	24	9.1	1.1	.50	1.9
29	4.5	15	14	62	49	904	28	20	6.2	1.1	.51	14
30	5.0	13	60	53	---	664	25	17	4.9	1.0	.62	9.2
31	6.3	---	57	122	---	404	---	15	---	.97	.76	---
TOTAL	257.6	519.1	566	1982	3301	11335	2630	1337.9	269.6	58.67	22.95	49.48
MEAN	8.31	17.3	18.3	63.9	114	366	87.7	43.2	8.99	1.89	.74	1.65
MAX	47	66	60	235	455	2280	257	443	48	4.9	1.1	14
MIN	4.2	6.5	11	25	45	48	25	8.7	2.6	.97	.48	.52
CFSM	.15	.32	.33	1.16	2.07	6.66	1.60	.79	.16	.03	.01	.03
IN.	.17	.35	.38	1.34	2.23	7.67	1.78	.90	.18	.04	.02	.03

CAL YR 1979 TOTAL 17697.73 MEAN 48.5 MAX 1920 MIN .65 CFSM .88 IN 11.97
WTR YR 1980 TOTAL 22329.30 MEAN 61.0 MAX 2280 MIN .48 CFSM 1.11 IN 15.10

02197600 BRUSHY CREEK NEAR WRENS, GA.

LOCATION.--Lat 33°10'37", long 82°18'20", Jefferson County, Hydrologic Unit 03060201, at right bank on downstream side of bridge on State Highway 80, 5 mi (8.0 km) southeast of Wrens, and 5.5 mi (8.8 km) upstream from Little Brushy Creek.
DRAINAGE AREA.--28.0 mi2 (72.5 km2).
PERIOD OF RECORD.--May 1958 to current year.
GAGE.--Water-stage recorder. Datum of gage is 282.56 ft (86.124 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).
REMARKS.--Records fair except those for periods of no gage-height record, Oct. 1-10 and Apr. 1 to May 7, which are poor. Some diurnal fluctuation at low flow.
AVERAGE DISCHARGE.--22 years, 27.7 ft3/s (0.784 m3/s), 13.43 in/yr (341 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.03 ft (2.448 m) Mar. 3, 1971 (discharge not determined); minimum discharge, 5.5 ft3/s (0.156 m3/s) Aug. 29, 30, 1968, Aug. 30, Sept. 19, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft3/s (8.50 m3/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 8	1800	495	14.0	5.94	1.811	Mar. 13	0500	*905	25.6	7.05	2.145

Minimum daily discharge, 5.6 ft3/s (0.16 m3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	14	19	24	18	90	14	14	16	8.7	8.4
2	13	13	14	17	20	19	60	14	13	16	7.9	7.3
3	12	25	14	16	19	19	35	13	13	15	7.9	6.7
4	25	17	14	18	18	19	80	13	12	15	7.9	6.7
5	22	14	14	20	17	25	55	18	12	14	7.3	6.7
6	16	13	17	17	19	32	45	20	12	14	7.6	7.6
7	14	13	18	16	22	23	40	18	12	14	7.6	7.5
8	12	13	16	16	20	184	35	17	11	13	7.6	7.1
9	11	13	14	16	27	224	65	17	11	13	7.3	6.9
10	11	13	14	16	77	63	50	17	11	15	9.2	6.2
11	12	40	14	15	43	42	35	16	10	13	8.9	6.5
12	12	40	14	15	29	126	30	15	10	12	8.4	7.0
13	11	20	13	15	24	639	27	15	10	11	7.6	6.9
14	11	17	13	16	22	227	38	15	10	9.9	7.6	6.7
15	11	15	14	16	21	88	40	17	9.9	9.3	8.3	6.5
16	11	15	15	15	46	60	38	16	9.4	10	7.5	5.6
17	11	14	14	15	41	55	25	17	9.9	8.6	7.7	6.4
18	11	14	14	26	26	130	22	17	16	8.2	8.4	6.5
19	12	16	13	23	23	85	35	17	13	9.1	8.0	6.3
20	12	14	13	17	21	66	32	21	22	8.3	7.7	6.2
21	12	14	13	16	20	100	26	22	14	9.0	7.8	6.7
22	12	14	13	16	29	81	22	22	13	9.5	7.5	6.2
23	12	13	13	36	51	62	20	41	13	12	7.3	6.1
24	13	13	14	24	29	66	19	43	22	23	7.1	6.5
25	12	13	17	19	23	74	18	26	187	37	7.0	7.3
26	12	16	15	22	22	61	17	22	56	16	6.9	7.9
27	12	15	14	38	20	54	16	18	33	14	6.9	7.1
28	12	14	15	27	19	122	16	17	24	13	7.1	18
29	12	14	16	21	19	241	15	15	19	12	7.1	45
30	12	14	26	19	---	229	15	15	17	11	7.3	49
31	12	---	26	26	---	187	---	14	---	10	7.5	---
TOTAL	397	491	468	608	791	3421	1053	582	639.2	410.9	238.6	295.5
MEAN	12.8	16.4	15.1	19.6	27.3	110	35.1	18.8	21.3	13.3	7.70	9.85
MAX	25	40	26	38	77	639	90	43	187	37	9.2	49
MIN	11	12	13	15	17	18	15	13	9.4	8.2	6.9	5.6
CFSM	.46	.59	.54	.70	.98	3.93	1.25	.67	.76	.48	.28	.35
IN.	.53	.65	.62	.81	1.05	4.54	1.40	.77	.85	.55	.32	.39

CAL YR 1979 TOTAL 7123.5 MEAN 19.5 MAX 196 MIN 7.0 CFSM .70 IN 9.46
WTR YR 1980 TOTAL 9395.2 MEAN 25.7 MAX 639 MIN 5.6 CFSM .92 IN 12.48

02197830 BRIER CREEK NEAR WAYNESBORO, GA.

LOCATION.--Lat 33°07'05", long 81°57'50", Burke County, Hydrologic Unit 03060108, near left bank on downstream end of pier of bridge on State Highway 56, 3.8 mi (6.1 km) northeast of Waynesboro.
DRAINAGE AREA.--473 mi^2 (1,225 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1969 to current year.
GAGE.--Water-stage recorder. Datum of gage is 173.78 ft (52.968 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Records good.
AVERAGE DISCHARGE.--11 years, 503 ft^3/s (14.2 m^3/s), 14.44 in/yr (367 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,800 ft^3/s (306 m^3/s) Mar. 15, 1971, gage height, 12.28 ft (3.743 m); minimum, 95 ft^3/s (2.69 m^3/s) Oct. 7, 8, 1970, gage height, 2.28 ft (0.695 m).
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,900 ft^3/s (53.8 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 15	1800	*6320	179	10.46	3.188	Mar. 31	2100	3670	104	8.98	2.737
Mar. 21	0700	3170	89.8	8.59	2.618						

Minimum daily discharge, 98 ft^3/s (2.78 m^3/s) Aug. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	538	218	381	407	684	580	3170	381	276	282	135	104
2	511	240	370	460	611	530	2830	367	250	218	127	112
3	493	305	331	506	569	506	2080	360	232	192	121	128
4	464	272	306	549	586	495	1520	355	220	181	115	127
5	430	276	297	550	620	512	1260	341	208	166	111	116
6	358	331	336	486	567	586	1160	333	202	160	108	112
7	318	397	386	457	519	587	1220	329	194	153	107	110
8	409	421	367	450	491	759	1220	340	184	149	106	110
9	555	351	369	491	503	1390	1070	327	185	147	115	111
10	537	297	368	496	643	1540	960	321	177	152	125	116
11	406	420	393	449	707	1610	907	323	167	178	124	122
12	306	514	382	429	776	2400	984	350	159	173	122	124
13	258	490	345	419	1040	3140	959	345	154	154	160	121
14	235	538	324	429	1350	2840	838	309	152	141	177	114
15	222	595	309	423	998	5190	762	284	151	135	150	112
16	214	665	310	405	798	4500	752	266	146	129	134	111
17	209	623	317	423	739	2360	768	260	144	123	130	107
18	203	490	329	486	699	1710	786	273	204	120	130	104
19	200	402	333	525	684	1350	728	276	214	119	134	103
20	200	355	332	524	726	1640	652	295	214	118	136	111
21	202	332	348	539	730	2930	605	317	233	121	131	109
22	205	320	341	617	643	1970	575	342	245	119	123	107
23	208	314	317	821	646	1420	560	469	226	118	117	111
24	215	306	310	730	665	1590	540	718	244	152	112	110
25	211	302	324	614	678	1720	504	849	286	263	110	123
26	216	302	324	628	928	1260	474	741	362	187	108	118
27	216	296	334	787	1150	1170	454	882	493	209	106	119
28	213	304	360	796	839	1450	428	717	632	191	102	136
29	209	322	382	687	658	1850	405	511	537	165	99	225
30	207	342	427	661	---	1880	395	383	421	152	98	283
31	211	---	429	702	---	3280	---	314	---	143	99	---
TOTAL	9379	11340	10781	16946	21247	54745	29546	12678	7512	5010	3772	3716
MEAN	303	378	348	547	733	1766	985	409	250	162	122	124
MAX	555	665	429	821	1350	5190	3170	882	632	282	177	283
MIN	200	218	297	405	491	495	395	260	146	118	98	103
CFSM	.64	.80	.74	1.16	1.55	3.73	2.08	.87	.53	.34	.26	.26
IN.	.74	.89	.85	1.33	1.67	4.31	2.32	1.00	.59	.39	.30	.29

CAL YR 1979 TOTAL 162010 MEAN 444 MAX 4950 MIN 126 CFSM .94 IN 12.74
WTR YR 1980 TOTAL 186672 MEAN 510 MAX 5190 MIN 98 CFSM 1.08 IN 14.68

02197830 BRIER CREEK NEAR WAYNESBORO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1958 to June 1958, December 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
11...	1105	415	15.5	6	6.7
NOV					
20...	1400	354	11.0	6	5.7
JAN					
03...	1305	506	8.0	27	37
FEB					
13...	1200	994	5.0	7	19
MAY					
07...	0900	326	18.0	8	7.0
JUN					
18...	1330	212	24.0	20	11
JUL					
31...	1040	145	25.0	6	2.3

02198000 BRIER CREEK AT MILLHAVEN, GA.

LOCATION.—Lat 32°56'00", long 81°39'05", Screven County, Hydrologic Unit 03060108, near right bank on downstream side of pier of highway bridge at Millhaven, 8.5 mi (13.7 km) upstream from Beaver Dam Creek.

DRAINAGE AREA.—646 mi^2 (1,670 km^2).

PERIOD OF RECORD.—October 1936 to current year. Monthly discharges only for some periods, published in WSP 1303.

REVISED RECORDS.—WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.—Water-stage recorder. Datum of gage is 95.88 ft (29.224 m) National Geodetic Vertical Datum of 1929. Prior to June 7, 1950, nonrecording gage at site 200 ft (61 m) downstream at same datum. June 7, 1950, to Apr. 30, 1951, nonrecording gage at present site and datum.

REMARKS.—Records good except those for periods of no gage-height record, Oct. 20 to Nov. 20, June 6-18, and Aug. 17-26, which are fair. Records of chemical analyses for the 1970-79 water year are in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—44 years, 668 ft^3/s (18.9 m^3/s), 14.04 in/yr (357 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 25,400 ft^3/s (719 m^3/s) Aug. 16, 1940, gage height, 17.4 ft (5.304 m), from graph based on gage readings; minimum daily, 64 ft^3/s (1.81 m^3/s) Sept. 5-11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1797, 25.1 ft (7.650 m) in September or October 1929, from information by Georgia Department of Transportation, discharge, 64,000 ft^3/s (1,810 m^3/s), by slope-conveyance study.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 2,000 ft^3/s (56.6 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 17	1400	*5930	168	12.17	3.709	Apr. 2	1300	3980	113	10.55	3.216
Mar. 23	0800	3370	95.4	9.89	3.014						

Minimum discharge, 112 ft^3/s (3.17 m^3/s) Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	733	295	432	587	1000	1230	2950	573	600	655	186	113
2	786	290	444	620	966	1000	3850	550	470	576	170	113
3	730	285	460	598	962	857	3550	530	401	445	158	119
4	662	320	484	575	900	762	3400	518	357	329	150	129
5	721	360	490	624	814	718	2850	505	326	272	142	144
6	732	380	497	668	785	764	2200	567	305	244	135	142
7	545	380	550	703	844	771	1860	548	292	233	129	133
8	410	360	531	684	852	927	1700	484	282	213	124	128
9	430	420	531	642	804	1410	1940	461	270	201	122	129
10	470	540	530	610	883	1520	1860	454	260	193	129	129
11	480	520	514	627	913	1880	1680	449	250	190	133	130
12	565	500	502	654	937	2020	1470	438	240	192	142	134
13	591	490	500	639	964	3800	1390	426	230	208	142	141
14	505	640	514	618	972	4800	1460	430	220	205	146	143
15	401	750	515	613	1050	4510	1510	438	215	187	173	138
16	342	850	540	595	1380	3890	1360	427	210	175	192	129
17	316	960	529	592	1440	5610	1190	408	250	167	180	127
18	302	1000	491	604	1190	4720	1080	434	270	158	170	128
19	292	850	464	612	1020	3160	1060	418	441	151	160	125
20	280	780	455	622	952	2470	1200	673	460	147	155	131
21	270	691	454	662	913	2230	1230	813	403	146	160	131
22	270	582	458	680	913	2460	1070	532	342	149	165	139
23	272	522	462	761	1010	3230	935	553	327	156	170	133
24	275	489	474	821	1030	2570	851	702	362	154	160	130
25	280	471	498	909	972	2110	794	827	454	152	150	192
26	280	479	496	1070	914	2100	761	888	477	188	138	240
27	285	475	486	1170	869	2250	724	1000	446	244	131	216
28	290	457	476	1040	886	2120	680	995	444	254	127	209
29	290	444	464	1030	1190	2470	636	944	471	252	123	337
30	295	431	483	1060	---	2990	603	981	575	238	118	406
31	290	---	542	1040	---	3060	---	814	---	205	114	---
TOTAL	13390	16011	15266	22730	28325	74409	47844	18780	10650	7279	4594	4738
MEAN	432	534	492	733	977	2400	1595	606	355	235	148	158
MAX	786	1000	550	1170	1440	5610	3850	1000	600	655	192	406
MIN	270	285	432	575	785	718	603	408	210	146	114	113
CFSM	.67	.83	.76	1.14	1.51	3.72	2.47	.94	.55	.36	.23	.25
IN.	.77	.92	.88	1.31	1.63	4.28	2.76	1.08	.61	.42	.26	.27

CAL YR 1979 TOTAL 229371 MEAN 628 MAX 4790 MIN 165 CFSM .97 IN 13.21
WTR YR 1980 TOTAL 264016 MEAN 721 MAX 5610 MIN 113 CFSM 1.12 IN 15.20

02198500 SAVANNAH RIVER NEAR CLYO, GA.
(National stream-quality accounting network station)
(Radiochemical program station)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County, Ga.-Jasper County, S.C., Hydrologic Unit 03060109, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 m (4.8 km) north of Clyo, and at mile 60.9 (98.0 km).

DRAINAGE AREA.--9,850 mi^2 (25,510 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

REVISED RECORDS.--WSP 1112: 1940.

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft (4.087 m), National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1.22 m) higher. Jan. 31, 1933 to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500).

AVERAGE DISCHARGE.--47 years, 12,200 ft^3/s (346 m^3/s), 16.82 in/yr (427 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 270,000 ft^3/s (7,650 m^3/s) Oct. 6, 1929, gage height, 29.7 ft (9.05 m), present datum (from information by U.S. Army Corps of Engineers), from rating curve extended above 120,000 ft^3/s (3,400 m^3/s); minimum daily, 1,950 ft^3/s (55.2 m^3/s) Sept. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,600 ft^3/s (1,660 m^3/s) Apr. 2, gage height, 18.40 ft (5.608 m); minimum daily, 5,970 ft^3/s (169 m^3/s) Sept. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11400	8040	13100	9380	24300	10100	55600	26100	17200	9720	7030	6590
2	11900	7890	13100	9200	25400	9860	51600	23900	17600	9030	7960	6260
3	11700	7680	13100	9160	25500	9880	40500	21200	18000	9400	8430	5970
4	11600	8060	14200	9250	25300	10200	55500	18600	18400	9720	7660	6120
5	11900	8750	15400	9650	24900	11300	57000	16400	18400	10000	6990	6500
6	12100	9230	15600	9890	24700	12400	58000	14300	17800	10000	6480	6740
7	12200	9050	15700	9680	24600	12300	56000	12000	17400	11000	6210	7330
8	12400	8590	15800	9290	24300	11200	54000	11300	17000	11000	6420	7260
9	12200	9040	16000	8830	23700	11300	51000	11100	17000	9000	6820	6760
10	11700	9810	16300	8640	23000	12800	47900	9880	17200	8500	7340	6430
11	11200	10100	16600	9020	22200	14200	47100	9430	17500	8500	8450	6500
12	10600	10400	16800	10400	21700	15500	46300	9460	18000	9000	8750	6810
13	10500	11000	16800	11700	21400	18100	45800	9110	18400	9000	8100	6630
14	10600	11700	16600	12100	21400	22300	45700	8670	18500	9000	8300	6500
15	10500	12300	16300	11200	21300	27400	45300	8600	18500	8730	8560	6530
16	10300	13000	16300	10400	21300	32300	43900	8640	18500	8340	7950	6480
17	9930	13800	16200	11000	21100	34900	41300	8540	18600	8540	7410	6270
18	9830	14400	16200	11700	20800	37300	38200	8470	18700	8890	7250	6900
19	9800	15000	16100	12100	20600	41900	35300	8550	18100	8660	7020	7900
20	9520	15400	15500	12400	20200	45100	33300	8960	16300	8060	6720	7510
21	9230	15500	15000	12900	19300	43600	32200	9880	14400	7620	7440	6790
22	9330	15200	14800	13600	17600	40600	31900	10900	12500	7270	7470	6740
23	9400	14900	14800	14400	15500	39100	31900	11600	11100	7000	6930	6810
24	9030	14800	14800	15000	13600	39100	31600	12800	10100	6800	6780	6650
25	9060	14900	13900	15600	12500	38900	31000	13800	9330	6990	6720	6640
26	9140	15100	11600	16200	11800	37900	30300	14700	9050	7310	6380	6840
27	8770	14500	10300	16900	11500	37100	29500	15300	9360	7460	6410	7450
28	8340	12800	10100	17800	11100	41000	28900	15900	9780	7490	6440	7920
29	8050	12600	10200	18900	10600	43700	28400	16300	9820	7440	6110	8670
30	7770	13000	10100	20300	---	46100	27600	16600	10000	7130	6160	9090
31	7790	---	9760	22400	---	49500	---	16900	---	6820	6570	---
TOTAL	317790	356540	447060	388990	581200	856940	1252600	407890	462540	263420	223260	207590
MEAN	10250	11880	14420	12550	20040	27640	41750	13160	15420	8497	7202	6920
MAX	12400	15500	16800	22400	25500	49500	58000	26100	18700	11000	8750	9090
MIN	7770	7680	9760	8640	10600	9860	27600	8470	9050	6800	6110	5970

CAL YR 1979 TOTAL 5223680 MEAN 14310 MAX 36500 MIN 7230 MEAN† 15000 CFSM† 1.52 IN.† 20.67
WTR YR 1980 TOTAL 5765820 MEAN 15750 MAX 58000 MIN 5970 MEAN† 15150 CFSM† 1.54 IN.† 20.94

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, AND CLARKS HILL RESERVOIR.

02198500 SAVANNAH RIVER NEAR CLYO, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 1938 to April 1939, October 1964 to current year.

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: January 1974 to July 1977.

WATER TEMPERATURES: May 1938 to April 1939, January 1974 to July 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum daily, 110 micromhos June 14, 1977; minimum daily, 42 micromhos July 5, 1974.

WATER TEMPERATURES: Maximum daily, 27.0°C Aug. 23, 1975, July 9, 13, 1977; minimum daily recorded, 4.0°C Jan. 22-24, 26, 30, Feb. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT							
04...	1245	11600	80	6.7	--	23.0	6.4
04...	1600	11600	64	7.0	26.0	23.5	6.7
NOV							
07...	1410	9000	77	6.6	21.0	18.0	7.9
09...	1130	9010	80	7.0	--	16.5	8.6
DEC							
05...	1400	15400	64	6.7	12.0	10.0	5.4
14...	1330	16600	66	6.6	--	13.5	8.3
JAN							
09...	1540	8640	81	7.1	17.0	11.0	9.0
10...	1330	8630	80	7.0	--	10.5	9.6
FEB							
06...	1415	24800	60	7.0	--	5.5	10.6
18...	1650	20800	63	6.9	9.0	8.0	10.2
MAR							
03...	1740	9920	84	6.9	9.0	8.0	10.1
06...	1615	12500	58	7.2	--	11.0	10.4
APR							
01...	1605	56500	48	6.6	23.0	16.5	8.0
02...	1600	58300	46	6.7	--	16.5	9.2
MAY							
07...	1415	11700	68	6.7	--	21.5	7.4
21...	1630	10200	77	6.7	30.0	23.0	6.8
JUN							
11...	1415	17600	54	6.5	--	24.0	6.6
19...	0920	18400	67	6.7	24.0	26.5	5.9
JUL							
02...	1445	9040	70	6.7	--	27.0	7.1
24...	1245	7010	82	6.8	29.0	27.5	6.8
AUG							
06...	1345	6740	79	7.0	--	28.5	6.7
20...	0730	7150	79	7.1	26.0	26.0	6.0
SEP							
04...	1430	6680	75	7.0	--	28.0	6.4
18...	1600	7560	83	7.0	32.0	26.0	6.4

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT												
04...	--	--	8.0	--	--	--	51	39	17	5	5.1	1.1
04...	--	11	--	--	.9	30	--	--	--	--	--	--
NOV												
07...	--	10	--	--	.7	--	--	--	--	--	--	--
09...	--	--	7.0	--	--	--	55	102	19	2	5.4	1.3
DEC												
05...	40	13	--	--	.4	320	--	--	--	--	--	--
14...	--	--	--	--	--	--	K710	70	--	--	--	--
JAN												
09...	40	8	--	--	.6	1200	--	--	--	--	--	--
10...	--	--	3.2	--	--	--	45	261	18	0	5.1	1.2
FEB												
06...	--	--	5.0	--	--	--	117	68	12	0	3.2	1.0
18...	40	17	--	--	--	70	--	--	--	--	--	--
MAR												
03...	40	16	--	--	.9	430	--	--	--	--	--	--
06...	--	--	8.5	--	--	--	53	22	13	0	3.6	1.0
APR												
01...	60	11	--	--	.4	30	--	--	--	--	--	--
02...	--	--	1.8	--	--	--	--	56	13	0	3.4	1.0
MAY												
07...	--	--	17	--	--	--	50	157	15	0	4.5	1.0
21...	80	23	--	--	.7	<30	--	--	--	--	--	--
JUN												
11...	--	--	7.5	--	--	--	68	98	13	0	3.5	1.1
19...	50	12	--	--	.7	40	--	--	--	--	--	--
JUL												
02...	--	--	15	--	--	--	K23	K21	18	0	5.4	1.2
24...	40	25	--	7	1.2	<30	--	--	--	--	--	--
AUG												
06...	--	--	15	--	--	--	K11	62	16	0	4.6	1.2
20...	40	12	--	9	.4	90	--	--	--	--	--	--
SEP												
04...	--	--	7.4	--	--	--	K15	45	16	0	4.3	1.2
18...	30	12	--	13	.3	210	--	--	--	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
OCT												
04...	8.5	1.2	12	11	9.6	.1	9.5	57	--	.41	.080	.31
04...	--	--	20	--	--	--	--	--	--	.02	.020	--
NOV												
07...	--	--	20	--	--	--	--	--	--	.17	.060	--
09...	11	1.4	17	7.0	6.7	.1	10	58	--	.43	.070	.18
DEC												
05...	--	--	18	--	--	--	--	--	4	.23	.080	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
09...	--	--	20	--	--	--	--	--	14	.40	.240	--
10...	8.9	1.1	30	5.6	6.1	.1	9.4	53	--	.36	.150	.29
FEB												
06...	5.7	.9	26	4.8	4.4	.1	8.6	64	--	.12	.000	.40
18...	--	--	16	--	--	--	--	--	11	.18	.050	--
MAR												
03...	--	--	20	--	--	--	--	--	11	.29	.130	--
06...	4.9	1.2	20	4.5	4.4	.1	8.2	54	--	.29	.110	.19
APR												
01...	--	--	15	--	--	--	--	--	7	.13	<.020	--
02...	4.7	.9	18	4.3	3.7	.1	6.8	43	--	.11	.000	.28
MAY												
07...	7.8	1.1	21	5.3	5.7	.1	8.4	56	--	.42	.070	.24
21...	--	--	18	--	--	--	--	--	27	.50	.050	--
JUN												
11...	6.8	1.3	20	4.0	4.3	.1	9.1	55	--	.28	.050	.23
19...	--	--	17	--	--	--	--	--	4	.27	.030	--
JUL												
02...	7.5	1.2	19	5.2	5.4	.1	9.7	66	--	.38	.000	.46
24...	--	--	21	--	--	--	--	--	12	.40	.020	.20
AUG												
06...	9.4	1.2	20	6.3	6.6	.1	9.4	72	--	.43	.000	.26
20...	--	--	19	--	--	--	--	--	14	.38	.030	.27
SEP												
04...	8.7	1.3	22	5.7	6.2	.1	11	77	--	.49	.070	.07
18...	--	--	20	--	--	--	--	--	21	.38	.070	.13

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	TRITIUM IN WATER MOLE-CULES (TU)	TRITIUM WATER MOLE-CULES COUNT ERROR (TU)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
04...	.39	.06	.33	.80	.070	.050	4.6	--	--	--	11	100
04...	--	--	--	--	.040	--	14	--	1050	20.0	--	--
NOV												
07...	--	--	--	--	.090	--	16	--	1220	20.0	--	--
09...	.25	.00	.28	.68	.070	.050	3.8	120	--	--	10	100
DEC												
05...	--	--	--	--	.070	--	<1.0	--	1050	20.0	--	--
14...	--	--	--	--	--	--	--	--	--	--	12	100
JAN												
09...	--	--	--	--	.080	--	4.0	--	1200	20.0	--	--
10...	.44	.11	.33	.80	.080	.050	2.9	--	--	--	6	100
FEB												
06...	.40	.00	.54	.52	.050	.020	8.8	--	--	--	9	100
18...	--	--	--	--	.020	--	4.0	--	--	--	--	--
MAR												
03...	--	--	--	--	.070	--	3.0	--	--	--	--	--
06...	.30	.11	.19	.59	.060	.030	--	71	--	--	13	100
APR												
01...	--	--	--	--	.040	--	6.0	--	553	15.0	--	--
02...	.28	.05	.23	.39	.040	.030	11	--	--	--	10	100
MAY												
07...	.31	.00	.34	.73	.080	.050	6.0	--	--	--	24	100
21...	--	--	--	--	.120	--	3.0	--	1110	20.0	--	--
JUN												
11...	.28	.00	.32	.56	.070	.030	--	690	--	--	20	100
19...	--	--	--	--	.090	--	3.0	--	635	11.0	--	--
JUL												
02...	.46	.20	.26	.84	.080	.010	3.8	500	--	--	1	100
24...	.22	--	--	.62	.100	--	4.0	--	850	16.0	--	--
AUG												
06...	.26	.02	.24	.69	.110	.160	4.4	120	--	--	15	97
20...	.30	--	--	.68	.100	--	3.0	--	956	17.0	--	--
SEP												
04...	.14	.02	.12	.63	.310	.100	--	700	--	--	13	88
18...	.20	--	--	.58	.080	--	1.5	--	822	15.0	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
MAR												
06...	1	1	0	2	10	<10	0	0	2	5	800	120
JUN												
11...	0	0	0	2	<10	10	0	0	5	6	970	140
SEP												
04...	1	1	0	0	30	20	0	0	6	20	590	80

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
MAR												
06...	1	0	50	9	.1	.1	0	0	0	0	10	0
JUN												
11...	2	2	50	20	.1	.1	0	0	0	0	20	20
SEP												
04...	3	4	50	10	.1	<.1	0	0	0	0	20	90

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
JUN										
11...	<.5	<.3	1.0	.7	2.0	.5	1.9	.5	.03	<.01
SEP										
04...	<.5	<.3	.7	.5	2.1	.8	2.0	.8	.04	<.01

DATE	PCB TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
FEB										
06...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAY										
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)
FEB										
06...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAY										
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN

02178500 LAKE BURTON.--Lat 34°47'37", long 83°32'26", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 5.5 mi (8.8 km) downstream from bridge on U.S. Highway 76, 10 mi (16 km) southwest of Clayton, Ga. DRAINAGE AREA, 115 mi2 (298 km2). PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Lake is formed by concrete gravity dam. Spillway, crest elevation, 1,860.0 ft (566.93 m) is equipped with eight gates 22 ft (6.71 m) wide by 6.6 ft (2.01 m) high. Dam completed in 1919. Total capacity at elevation 1,866.6 ft (568.94 m), top of gates, is 108,000 acre-ft (133 hm3), of which 106,000 acre-ft (131 hm3) is usable storage. Lake is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	1864.6	102000	-	-
Oct. 31	1859.6	89000	-13000	-202
Nov. 30	1863.6	99500	+10500	+166
Dec. 31	1857.7	84300	-15200	-247
CAL YR 1979	-	-	+8900	+12
Jan. 31	1851.5	70100	-14[illegible]00	-231
Feb. 29	1850.8	68600	-1500	-27
Mar. 31	1865.5	105000	+36400	+592
Apr. 30	1864.2	101200	-3800	-64
May 31	1864.7	103000	+1800	+29
June 30	1865.3	104000	+1000	+17
July 31	1861.9	94900	-9100	-148
Aug. 31	1860.7	91800	-3100	-50
Sept. 30	1862.1	95500	+3700	-62
WTR YR 1980	-	-	-6500	-9

† Elevation at 0700 on day following that shown in first column.

02179500 MATHIS RESERVOIR.--Lat 34°47'03", long 83°24'57", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 1 mi (1.6 km) upstream from bridge on U.S. Highway 23, 1.8 mi (2.9 km) south of Lakemont, Ga. DRAINAGE AREA, 151 mi2 (391 km2) PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete slab and buttress dam. Spillway, crest elevation, 1,682.75 ft (512.90 m) is equipped with 16 gates 15.8 ft (4.82 m) wide by 6.85 ft (2.09 m) high. Dam completed in 1915. Total capacity at elevation 1,689.6 ft (514.99 m), top of gates, is 31,200 acre-ft (38.5 hm3), of which 23,000 acre-ft (28.4 hm3) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	1687.3	29400	-	-
Oct. 31	1687.1	29200	-200	-3
Nov. 30	1687.8	29800	+600	+10
Dec. 31	1688.0	29900	+100	+2
CAL YR 1979	-	-	+500	+1
Jan. 31	1686.8	29000	-900	-15
Feb. 29	1686.2	28600	-400	-7
Mar. 31	1688.9	30600	+2000	+33
Apr. 30	1687.8	29800	-800	-13
May 31	1688.0	29900	+100	+2
June 30	1688.2	30100	+200	+3
July 31	1687.2	29300	-800	-13
Aug. 31	1688.7	30500	+1200	+20
Sept. 30	1686.6	28800	-1700	-29
WTR YR 1979	-	-	-600	-1

† Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02187250 HARTWELL LAKE.—Lat 34°21'25", long 82°49'20", Hart County, Ga.-Anderson County, S.C., Hydrologic Unit 03060103, in right spillway elevator tower of dam on Savannah River, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, Ga., and at mile 305.0 (490.7 km). DRAINAGE AREA, 2,088 mi^2 (5,408 km^2). PERIOD OF RECORD, October 1959 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers).

Lake is formed by concrete dam with earth embankments at each end; storage began in February 1961, dam completed in 1961. Usable capacity, 1,708,600 acre-ft (2,110 hm^3) between elevations 625.0 ft (190.50 m), normal limit of drawdown, and 665.0 ft (202.69 m), top of gates. Dead storage below 625.0 ft (190.50 m), 1,134,100 acre-ft (1,400 hm^3). Elevation of spillway crest, 630.0 ft (192.02 m). Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,871,000 acre-ft (3,540 hm^3) Apr. 8, 1964, elevation, 665.47 ft (202.835 m); minimum, after first filling, 1,182,000 acre-ft (1,460 hm^3) Oct. 16, 1961, elevation, 626.70 ft (191.018 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,808,700 acre-ft (3,460 hm^3) Apr. 2, elevation, 664.44 ft (202.521 m) minimum, 2,272,800 acre-ft (2,800 hm^3) Sept. 18, elevation, 654.81 ft (199.586 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	660.09	2554700	-	-
Oct. 31................	659.15	2502500	-52200	-849
Nov. 30................	659.47	2520200	+17700	+297
Dec. 31................	657.55	2415700	-104500	-1699
CAL YR 1979	-	-	+193800	+268
Jan. 31................	659.14	2502000	+86300	+1403
Feb. 29................	658.08	2444100	-57900	-1007
Mar. 31................	664.30	2800100	+356000	+5790
Apr. 30................	661.95	2660700	-139400	-2343
May 31................	662.65	2701700	+41000	+667
June 30................	660.86	2598200	-103500	-1739
July 31................	659.48	2520800	-77400	-1259
Aug. 31................	656.62	2366400	-154400	-2511
Sept. 30................	655.69	2317900	-48500	-815
WTR YR 1980	-	-	-236800	-326

02194500 CLARKS HILL RESERVOIR.—Lat 33°39'40", long 82°12'00", Columbia County, Ga.-McCormick County, S.C., Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.6 mi (2.6 km) west of Clarks Hill, 3.7 mi (6.0 km) upstream from Kiokee Creek, and at mile 237.7 (382.5 km). DRAINAGE AREA, 6,150 mi^2 (15,900 km^2), approximately. PERIOD OF RECORD, October 1951 to current year. REVISED RECORDS, WSP 1703: 1953. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

Lake is formed by concrete dam with earth dam at each end; storage began in December 1951, dam completed in 1952. Usable capacity, 1,730,000 acre-ft (2,130 hm^3) between elevations 305.0 ft (92.96 m), normal limit of drawdown, and 335.0 ft (102.11 m), top of spillway gates. Dead storage below 305.0 ft (92.96 m), 1,170,000 acre-ft (1,440 hm^3). Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 3,037,600 acre-ft (3,750 hm^3) Apr. 9, 1964, elevation, 336.72 ft (102.632 m); minimum, 897,900 acre-ft (1,110 hm^3) Feb. 1, 1956, elevation, 296.48 ft (90.367 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,889,100 acre-ft (3,560 hm^3) Mar. 31, elevation, 334.86 ft (102.065 m); minimum, 2,224,400 acre-ft (2,740 hm^3) Jan. 2, elevation, 325.92 ft (99.340 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	330.01	2510800	-	-
Oct. 31................	328.79	2425300	-85500	-1390
Nov. 30................	329.00	2440000	+14700	+247
Dec. 31................	326.12	2238400	-201600	-3279
CAL YR 1979	-	-	+297400	+411
Jan. 31................	328.10	2377000	+138600	+2254
Feb. 29................	328.11	2377700	+700	+12
Mar. 31................	334.67	2874300	+496600	+8076
Apr. 30................	330.76	2569300	-305000	-5126
May 31................	332.66	2717500	+148200	+2410
June 30................	330.69	2563800	-153700	-2583
July 31................	329.53	2477100	-86700	-1410
Aug. 31................	328.34	2393800	-83300	-1355
Sept. 30................	327.30	2321000	-72800	-1224
WTR YR 1980	-	-	-189800	-261

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.

LOCATION.--Lat 32°58'32", long 82°36'36", Washington County, Hydrologic Unit 03060201, at bridge on State Highway 231 at Davisboro, 1.2 mi (1.9 km) downstream from Central of Georgia Railroad bridge, and 1.9 mi (3.1 km) downstream from Sun Hill Creek.

DRAINAGE AREA.--109 mi^2 (282 km^2).

PERIOD OF RECORD.--Water years 1979-80 (annual maximum), May 1980 to September 1980.

GAGE.--Water-stage recorder. Altitude of gage is 270 ft (82 m), from topographic map. August 16, 1978, to May 8, 1980, crest-stage gage at same site and datum.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,430 ft^3/s (97.1 m^3/s) Mar. 13, 1980, gage height, 11.13 ft (3.392 m); minimum discharge, 16 ft^3/s (0.45 m^3/s) Sept. 17, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,430 ft^3/s (97.1 m^3/s) Mar. 13, gage height, 11.13 ft (3.392 m); maximum discharge during period May to September, 175 ft^3/s (4.96 m^3/s) July 24, gage height, 5.37 ft (1.637 m), no peaks above base of 650 ft^3/s (18.4 m^3/s); minimum discharge during period May to September, 16 ft^3/s (0.45 m^3/s) Sept. 17.

ANNUAL PEAK DISCHARGES NOT PREVIOUSLY PUBLISHED.--

Date	Discharge (ft^3/s)	(m^3/s)	Gage height (ft)	(m)
Feb. 25, 1979	2300	65.1	9.94	3.030

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	46	36	27	25
2								---	43	34	26	24
3								---	41	33	25	22
4								---	39	35	24	21
5								---	37	33	23	22
6								---	35	30	22	23
7								79	37	29	21	22
8								82	35	26	21	21
9								84	34	27	21	19
10								77	32	32	26	18
11								70	31	28	26	20
12								67	29	26	24	19
13								62	30	24	22	19
14								60	29	23	22	19
15								59	29	23	23	18
16								60	29	23	28	17
17								61	31	21	28	18
18								68	94	22	26	19
19								66	108	20	25	20
20								74	66	21	23	21
21								85	49	22	22	22
22								80	42	22	24	22
23								108	40	30	44	20
24								157	57	117	37	20
25								123	102	97	28	21
26								89	122	49	26	30
27								71	85	39	24	30
28								58	59	37	23	28
29								54	46	38	21	73
30								50	41	35	20	148
31								47	---	29	23	---
TOTAL								---	1498	1061	775	821
MEAN								---	49.9	34.2	25.0	27.4
MAX								---	122	117	44	148
MIN								---	29	20	20	17
CFSM								---	.46	.31	.23	.25
IN.								---	.51	.36	.26	.28

02202190 OGEECHEE RIVER NEAR OLIVER, GA.

LOCATION.—Lat 32°29'45", long 81°33'11", Screven-Bulloch County line, Hydrologic Unit 03060202, at bridge on State Highway 24, 0.3 mi (0.5 km) upstream from Ogeechee Creek, and 2.0 mi (3.2 km) southwest of Oliver.

DRAINAGE AREA.—2,230 mi2 (5,780 km2), approximately.

PERIOD OF RECORD.—August 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 04...	1700	2260	7.6	23.5	21.5	4.9
NOV 07...	1500	742	6.9	20.0	16.0	8.1
DEC 05...	1500	1070	6.9	11.0	8.0	6.4
JAN 09...	1630	1540	7.0	16.5	9.5	9.0
FEB 18...	1500	3270	6.9	11.0	8.0	10.2
MAR 03...	1545	2810	6.9	9.0	7.0	11.5
APR 01...	1515	13800	6.6	26.0	17.5	7.5
MAY 21...	1715	715	6.6	30.0	24.0	5.4
JUN 19...	1015	377	7.4	24.0	25.0	5.8
JUL 24...	1125	241	7.6	31.0	28.5	6.6
AUG 20...	0830	220	7.5	28.0	28.0	--
SEP 18...	1700	164	7.8	30.0	27.5	6.8

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)
OCT 04...	75	60	16	16	.7	70
NOV 07...	84	120	8	22	1.0	230
DEC 05...	74	60	9	28	.1	70
JAN 09...	68	50	9	15	.3	440
FEB 18...	61	60	15	20	--	90
MAR 03...	65	55	10	22	.8	40
APR 01...	43	80	13	31	.6	150
MAY 21...	84	90	9	20	.6	430
JUN 19...	110	50	6	16	.9	70
JUL 24...	116	40	15	--	.8	230
AUG 20...	132	45	5	--	.5	430
SEP 18...	161	20	4	--	.7	430

02202190 OGEECHEE RIVER NEAR OLIVER, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	22	17	--	.080	.60	.070	4.0
NOV 07...	26	6	.06	<.020	.70	.040	4.0
DEC 05...	24	<1	.04	.020	.30	.050	3.5
JAN 09...	21	4	.06	.030	.20	.030	5.0
FEB 18...	16	8	<.02	.020	.51	<.020	8.0
MAR 03...	18	4	<.02	<.020	.53	.030	8.0
APR 01...	12	--	.11	<.020	.30	.040	13
MAY 21...	28	6	.31	.030	.90	.060	6.0
JUN 19...	55	4	.41	.030	.20	.110	5.0
JUL 24...	41	<1	.30	.020	--	.060	5.0
AUG 20...	45	4	.26	.040	--	.090	4.0
SEP 18...	50	6	.12	.030	--	.060	3.0

02202500 OGEECHEE RIVER NEAR EDEN, GA.

(National stream-quality accounting network station)

LOCATION.--Lat 32°11'29", long 81°24'58", Effingham-Bryan County line, Hydrologic Unit 03060202, on right bank 600 ft (183 m) downstream from bridge on U.S. Highways 25, 80, and 280, 2 mi (3.2 km) west of Eden, 2 mi (3.2 km) upstream from Seaboard Coast Line Railroad bridge, and 3 mi (4.8 km) upstream from Black Creek.
DRAINAGE AREA.--2,650 mi2 (6,860 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1937 to current year.
GAGE.--Water-stage recorder. Datum of gage is 19.64 ft (5.986 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage at site 600 ft (183 m) upstream at same datum.
REMARKS.--Records good.
AVERAGE DISCHARGE.--43 years, 2,392 ft3/s (67.7 m3/s), 12.26 in/yr (311 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,800 ft3/s (816 m3/s) Mar. 19, 1980, gage height, 14.77 ft (4.502 m); minimum observed, 131 ft3/s (3.71 m3/s) Sept. 12-14, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1840, 20 ft (6.10 m) in October 1929, from data furnished by Central of Georgia Railway Co.

Flood of January 1925, reached a stage of 19.5 ft (5.94 m), from information as explained above.

Flood of April 1936, reached a stage of 15.2 ft (4.63 m), from information as explained above, discharge, 30,000 ft3/s (850 m3/s).
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,800 ft3/s (136 m3/s) and minimum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 19	1700	*28800	816	14.77	4.502
Apr. 4	1300	15800	447	12.17	3.709

Minimum discharge, 181 ft3/s (5.13 m3/s) Sept. 24-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2010	556	1450	1340	2720	2970	12400	2960	2110	771	346	218
2	2800	552	1330	1330	2880	2900	13600	2750	2150	766	362	214
3	3860	547	1230	1320	3150	2890	14800	2560	2130	774	372	206
4	4070	537	1150	1310	3550	2900	15600	2400	2040	796	367	198
5	3530	539	1100	1310	3870	2910	15400	2260	1920	820	348	192
6	3000	556	1130	1320	4030	2940	14700	2120	1770	845	328	192
7	2730	601	1380	1330	4030	2940	14700	1980	1600	892	314	197
8	2550	652	1440	1350	3870	3000	15100	1850	1390	930	303	201
9	2400	695	1500	1390	3710	3150	14900	1740	1160	904	299	202
10	2310	728	1560	1430	3710	3300	13500	1660	955	801	293	207
11	2260	759	1600	1540	3630	3390	11800	1570	821	629	294	205
12	2220	794	1600	1640	3510	3440	10300	1500	750	524	309	202
13	2140	852	1590	1730	3410	4060	9110	1440	707	470	311	206
14	1990	955	1560	1830	3300	4970	8340	1390	659	436	297	207
15	1810	1060	1560	1890	3200	7870	7770	1340	620	411	289	200
16	1620	1160	1690	1920	3170	14600	7260	1280	585	392	293	192
17	1430	1310	1790	1920	3200	22200	6930	1230	551	383	281	189
18	1280	1550	1880	1900	3240	27000	6640	1210	535	374	276	187
19	1180	1850	1910	1860	3300	28600	6310	1200	521	359	272	185
20	1120	2090	1890	1830	3300	27400	5970	1270	506	335	263	185
21	1050	2160	1840	1780	3300	24400	5630	1240	505	311	264	188
22	972	2110	1770	1740	3290	21400	5230	1250	500	291	289	186
23	877	2010	1700	1730	3300	18600	4830	1330	504	277	285	187
24	784	1900	1630	1750	3370	15800	4450	1800	550	277	264	181
25	711	1820	1580	1800	3480	13600	4140	2250	598	279	253	181
26	672	1820	1510	1910	3540	12000	3960	2520	653	293	246	182
27	647	1780	1460	2070	3470	11000	3840	2510	702	304	235	183
28	621	1740	1430	2210	3300	11100	3600	2330	763	315	223	186
29	598	1680	1400	2350	3110	11300	3360	2120	791	314	215	191
30	581	1580	1370	2480	---	11500	3160	2040	787	325	214	209
31	568	---	1350	2600	---	11600	---	2060	---	332	217	---
TOTAL	54391	36943	47380	53910	98940	335730	267330	57160	29833	15930	8922	5859
MEAN	1755	1231	1528	1739	3412	10830	8911	1844	994	514	288	195
MAX	4070	2160	1910	2600	4030	28600	15600	2960	2150	930	372	218
MIN	568	537	1100	1310	2720	2890	3160	1200	500	277	214	181
CFSM	.66	.47	.58	.66	1.29	4.09	3.36	.70	.38	.19	.11	.07
IN.	.76	.52	.67	.76	1.39	4.71	3.75	.80	.42	.22	.13	.08

CAL YR 1979 TOTAL 844720 MEAN 2314 MAX 17800 MIN 426 CFSM .87 IN 11.86
WTR YR 1980 TOTAL 1012328 MEAN 2766 MAX 28600 MIN 181 CFSM 1.04 IN 14.21

02202500 OGEECHEE RIVER NEAR EDEN, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.
PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1975 to current year.
WATER TEMPERATURES: October 1972 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 183 micromhos Sept. 13, 1978; minimum, 23 micromhos Mar. 20, 1980.
WATER TEMPERATURES: Maximum, 32.0°C July 9-11, 13, 15, 21, 22, 1977, Aug. 9, 1980; minimum, 1.5°C Jan. 19-21, 1977.
EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 163 micromhos Sept. 23, 24; minimum, 23 micromhos Mar. 20.
WATER TEMPERATURES: Maximum, 32.0°C Aug. 9; minimum recorded, 6.5°C Mar. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 09...	1230	2400	55	6.1	18.0	6.8
NOV 06...	1350	558	90	6.9	16.5	8.2
DEC 04...	1250	1150	74	6.8	7.5	10.7
JAN 22...	1330	1740	66	6.5	11.5	9.5
FEB 26...	1320	3540	54	6.2	13.0	8.6
MAR 18...	1330	27200	28	6.8	13.0	9.5
APR 10...	1200	13400	44	6.6	18.0	7.3
MAY 06...	1245	2110	73	6.4	19.0	6.9
JUN 03...	1230	2140	68	6.3	23.0	6.5
JUL 08...	1230	932	68	7.3	28.0	5.7
AUG 05...	1400	317	120	7.1	31.5	6.8
SEP 08...	0800	198	127	6.4	28.0	6.7

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 09...	4.0	110	80	17	5	5.3	1.0	3.8	1.0	12	9.0
NOV 06...	3.0	38	17	28	0	9.1	1.2	6.9	1.3	28	3.3
DEC 04...	4.0	45	20	24	0	7.6	1.2	6.3	1.3	26	3.7
JAN 22...	4.2	80	28	20	6	6.2	1.0	5.3	.9	14	4.2
FEB 26...	2.4	150	39	15	1	4.9	.7	3.9	.8	14	4.6
MAR 18...	25	320	100	10	2	3.1	.6	2.3	1.1	8	3.7
APR 10...	2.5	120	82	15	0	4.6	.9	2.6	1.2	16	3.6
MAY 06...	5.7	100	43	24	0	7.3	1.4	5.3	1.2	26	3.7
JUN 03...	4.5	73	54	22	3	6.9	1.1	4.2	.8	19	5.5
JUL 08...	5.5	130	93	23	3	7.6	1.0	3.7	.9	20	5.2
AUG 05...	2.5	20	3	29	0	9.6	1.2	11	1.3	41	6.7
SEP 08...	.40	28	41	33	0	11	1.3	13	1.2	44	8.8

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT											
09...	6.8	.1	11	76	46	492	.03	.070	.74	.81	.18
NOV											
06...	6.8	.1	13	74	59	111	.12	.020	.30	.32	.00
DEC											
04...	7.0	.0	14	70	57	217	.13	.030	.47	.50	.00
JAN											
22...	6.8	.1	11	65	45	305	.03	.060	.29	.35	.00
FEB											
26...	5.7	.1	6.0	55	35	526	.00	.020	.53	.55	.00
MAR											
18...	3.8	.1	4.8	50	25	3670	.10	.010	.48	.49	.00
APR											
10...	4.0	.1	6.6	49	35	1770	.07	.020	.72	.74	.00
MAY											
06...	5.5	.1	9.6	67	51	382	.21	.030	.37	.40	.00
JUN											
03...	5.1	.1	10	65	46	376	.12	.020	.49	.51	.07
JUL											
08...	4.5	.1	14	78	51	196	.13	.020	.60	.62	.15
AUG											
05...	6.4	.1	11	81	73	69.3	.22	--	--	--	--
SEP											
08...	7.5	.1	11	123	81	65.8	.15	.040	.18	.22	.03

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT											
09...	.63	.84	.050	.040	--	17	.2	--	3	19	100
NOV											
06...	.47	.44	.050	.040	6.4	--	--	590	19	29	39
DEC											
04...	--	.63	.040	.040	6.0	--	--	--	3	9.3	95
JAN											
22...	.48	.38	.040	.030	--	6.2	.3	--	4	19	93
FEB											
26...	--	.55	.040	.030	7.4	--	--	--	5	48	73
MAR											
18...	--	.59	.080	.040	12	--	--	470	20	1470	87
APR											
10...	.63	.81	.050	.040	--	11	.2	--	15	543	65
MAY											
06...	.46	.61	.070	.060	10	--	--	120	7	40	91
JUN											
03...	.36	.63	.060	.060	8.5	--	--	29	6	35	87
JUL											
08...	.47	.75	.060	.050	--	10	.1	450	12	30	87
AUG											
05...	.23	--	.080	.070	3.7	--	--	190	5	4.3	100
SEP											
08...	.19	.37	.060	.050	4.0	--	--	13	2	1.1	100

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
OCT												
09...	1	1	0	0	--	10	--	--	3	2	1600	770
JAN												
22...	0	0	0	0	<10	<10	0	0	2	2	850	480
APR												
10...	1	0	--	6	20	10	--	0	--	--	1200	700
JUL												
08...	2	1	0	1	10	10	0	0	3	1	1100	850

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT												
09...	3	1	--	--	<.5	<.5	0	0	0	0	--	2
JAN												
22...	2	2	30	20	<.1	.1	0	0	0	0	390	10
APR												
10...	--	2	30	20	.3	.2	--	0	--	0	100	0
JUL												
08...	1	0	70	40	<.1	<.1	0	0	0	0	10	2

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continue

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	64	58	91	76	76	69	72	69	52	52	56	54
2	57	47	97	90	78	74	73	70	52	51	58	56
3	48	46	102	93	80	78	71	67	51	49	59	57
4	47	45	108	96	82	80	70	67	49	47	60	57
5	49	46	107	92	82	80	72	68	47	46	60	58
6	52	49	96	81	80	69	72	68	46	45	59	56
7	54	51	90	73	69	65	72	67	45	45	57	55
8	56	53	92	73	69	67	72	69	46	45	57	55
9	56	55	88	76	69	69	69	65	47	45	58	55
10	56	54	91	77	69	67	66	63	48	46	59	56
11	54	53	91	87	67	66	63	61	50	47	59	57
12	54	52	92	88	67	64	63	61	50	49	59	56
13	56	53	89	80	65	63	62	61	51	50	56	53
14	61	57	80	73	67	64	61	60	52	49	55	50
15	63	60	74	70	70	67	61	60	52	50	50	42
16	66	62	70	68	68	66	60	58	53	51	44	37
17	67	65	70	67	66	64	59	56	55	52	38	28
18	66	63	68	65	65	63	59	57	56	54	31	27
19	66	63	66	62	63	61	62	58	56	54	29	25
20	71	65	64	62	61	59	64	61	56	53	29	23
21	80	71	64	62	61	59	65	63	54	52	29	24
22	85	78	62	61	64	60	65	64	53	51	29	26
23	87	84	61	60	68	64	65	62	53	51	31	27
24	88	83	63	61	71	67	63	61	53	52	31	27
25	84	79	63	62	73	70	63	61	53	52	35	30
26	88	79	64	61	72	69	62	61	53	53	37	32
27	93	86	63	61	69	66	62	60	53	52	39	33
28	95	88	63	62	67	64	60	59	54	51	39	46
29	96	87	65	62	67	64	58	56	55	52	39	47
30	98	92	68	64	67	65	57	55	---	---	41	47
31	97	87	---	---	69	66	55	52	---	---	44	39
MONTH	98	45	108	60	82	59	73	52	56	45	60	23

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	42	38	72	69	70	67	90	80			---	---
2	43	39	71	69	69	67	87	70			---	---
3	43	37	73	70	68	65	82	79			---	---
4	44	37	73	71	67	64	82	76			---	---
5	43	38	76	72	66	64	79	74			---	---
6	45	39	77	74	72	66	75	68			---	---
7	46	40	78	75	79	72	74	62			---	---
8	47	42	78	76	68	80	73	61			---	---
9	48	42	80	76	101	89	76	64			---	---
10	49	43	82	79	105	100	80	64			---	---
11	51	44	84	82	105	99	92	71			---	---
12	51	47	88	84	98	91	---	---			---	---
13	54	49	89	87	99	90	---	---			---	---
14	57	53	90	85	107	99	---	---			---	---
15	58	54	86	82	111	106	---	---			---	---
16	59	55	88	84	115	108	---	---			---	---
17	60	58	92	88	118	107	---	---			---	---
18	61	58	96	91	118	109	---	---			148	144
19	62	59	98	92	112	91	---	---			154	148
20	63	60	93	89	104	87	---	---			154	151
21	64	61	90	86	122	94	---	---			153	145
22	66	63	86	80	117	100	---	---			155	148
23	67	64	87	78	120	106	---	---			163	155
24	67	65	80	69	127	111	---	---			163	157
25	67	65	70	64	125	107	---	---			159	156
26	68	65	66	63	118	101	---	---			156	152
27	69	67	67	65	112	91	---	---			153	134
28	71	68	70	67	103	88	---	---			133	128
29	72	69	72	69	97	80	---	---			147	134
30	73	71	71	67	92	82	---	---			152	146
31	---	---	70	67	---	---	---	---			---	---
MONTH	73	37	98	63	127	64	92	61			163	128
YEAR	163	23										

02202500 OGEECHEE RIVER NEAR EDEN, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.5	22.0	19.5	18.5					---	---	12.0	11.0
2	22.5	22.0	19.5	19.0					---	---	10.5	8.0
3	22.0	21.5	19.5	19.0					---	---	8.0	7.0
4	21.5	21.0	18.5	17.0					---	---	8.0	6.5
5	21.0	20.0	17.0	16.0					---	---	8.0	7.5
6	20.0	19.5	16.5	15.5					---	---	9.5	8.0
7	19.5	19.0	16.0	15.0					---	---	11.0	9.0
8	19.0	18.5	15.5	15.0					---	---	12.5	11.0
9	19.0	18.0	15.5	14.5					---	---	13.5	12.5
10	18.5	18.5	16.0	15.0					---	---	14.5	13.5
11	18.5	18.0	16.0	16.0					---	---	15.0	14.0
12	18.0	17.5	16.0	16.0					---	---	14.5	13.0
13	18.0	17.5	16.0	15.0					---	---	12.5	12.0
14	18.0	17.5	15.0	14.5					---	---	12.5	11.5
15	17.5	16.5	15.0	13.5					---	---	13.0	11.0
16	18.0	17.0	13.5	13.0					---	---	12.5	11.0
17	18.5	17.5	13.0	12.5					---	---	13.5	12.0
18	19.0	18.0	13.0	12.5					---	---	14.0	13.0
19	19.5	19.0	13.0	12.5					---	---	14.0	13.0
20	20.0	19.5	13.0	12.5					---	---	14.5	13.5
21	20.5	19.5	12.5	12.5					---	---	16.0	14.5
22	21.0	20.0	13.0	12.5					---	---	15.5	14.5
23	21.0	20.0	14.0	13.0					---	---	15.5	14.0
24	20.5	19.5	14.5	14.0					---	---	16.0	15.0
25	19.5	18.5	15.5	14.5					---	---	17.0	15.5
26	18.5	18.0	16.0	15.5					---	---	17.0	16.0
27	18.0	17.0	15.5	14.5					---	---	16.0	15.5
28	18.0	16.5	15.0	14.5					---	---	16.0	15.5
29	18.0	17.0	15.0	13.5					12.5	11.5	16.5	16.0
30	18.5	17.5	13.0	12.5					---	---	17.5	16.0
31	19.0	18.0	---	---					---	---	18.0	17.0
MONTH	22.5	16.5	19.5	12.5					12.5	11.5	18.0	6.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.0	17.5	18.5	18.5	23.0	22.5	28.5	27.5	31.0	29.5	---	---
2	17.5	17.0	18.5	18.0	23.0	22.5	28.5	28.0	31.5	30.0	---	---
3	18.0	17.0	18.5	18.0	23.5	23.0	28.5	28.0	31.5	30.0	---	---
4	18.5	18.0	18.5	18.0	24.5	23.5	28.5	28.0	31.5	30.0	---	---
5	18.5	17.0	19.0	18.5	24.5	24.5	29.0	28.0	31.5	30.0	---	---
6	17.0	16.0	19.5	19.0	24.5	24.5	29.5	28.5	31.5	29.5	---	---
7	17.0	16.0	20.0	19.5	25.0	24.5	29.0	28.5	31.5	29.5	---	---
8	18.0	17.0	20.5	20.0	26.0	25.0	29.0	28.0	31.5	29.5	---	---
9	19.0	18.0	20.5	20.0	26.5	26.0	29.0	28.5	32.0	29.5	---	---
10	19.0	18.0	19.5	19.0	26.5	25.5	29.5	28.5	30.5	29.0	---	---
11	18.5	17.0	20.0	19.5	27.0	26.0	30.5	29.0	30.0	28.5	---	---
12	18.0	17.5	21.5	20.0	27.0	25.5	31.0	29.5	31.0	29.0	---	---
13	19.0	18.0	22.0	21.0	26.0	25.0	31.5	30.5	31.0	29.0	---	---
14	19.5	19.0	23.0	22.0	26.5	25.0	31.5	31.0	31.0	29.0	---	---
15	18.5	17.5	23.5	23.0	27.5	26.0	31.5	29.5	31.0	29.0	---	---
16	17.5	16.5	23.5	22.5	28.0	27.0	31.0	29.0	31.0	29.5	---	---
17	17.0	16.5	22.5	22.5	28.5	27.5	31.0	29.0	30.0	29.0	---	---
18	17.0	16.5	23.5	22.5	28.0	27.5	31.5	29.0	29.0	28.0	---	---
19	16.5	16.5	23.5	23.5	27.5	26.5	31.0	29.5	30.0	28.0	28.5	27.0
20	17.0	16.0	23.5	23.5	27.5	26.5	---	---	31.0	28.5	29.0	27.5
21	17.5	16.5	24.0	23.5	27.5	26.5	---	---	---	---	28.5	27.5
22	18.0	17.0	24.0	24.0	28.0	26.5	---	---	---	---	28.5	26.5
23	18.5	17.5	24.0	24.0	28.5	26.5	29.5	28.0	---	---	28.5	26.5
24	19.5	18.5	24.0	23.5	27.5	26.5	28.5	27.5	---	---	29.0	27.0
25	20.0	19.5	23.0	23.0	27.5	27.5	28.0	27.5	---	---	29.5	27.5
26	20.0	20.0	23.0	22.5	27.5	26.5	28.5	27.0	---	---	29.0	27.5
27	20.5	20.0	23.0	22.5	27.0	26.5	29.5	27.5	---	---	28.5	27.5
28	20.5	19.5	22.5	22.5	27.5	27.0	30.0	28.0	---	---	27.0	25.0
29	19.5	19.0	22.5	22.5	28.0	27.5	30.0	29.0	---	---	25.0	23.0
30	19.0	18.5	22.5	22.5	28.5	27.5	30.5	28.0	---	---	23.0	22.5
31	---	---	22.5	22.5	---	---	31.0	29.0	---	---	---	---
MONTH	20.5	16.0	24.0	18.0	28.5	22.5	31.5	27.0	32.0	28.0	29.5	22.5
YEAR	32.0	6.5										

02202600 BLACK CREEK NEAR BLITCHTON, GA.

LOCATION.--Lat 32°10'04", long 81°29'18", Bryan County, Hydrologic Unit 03060202, at bridge on U.S. Highway 280 (State Highway 30), 4.2 mi (6.8 km) upstream from Mill Creek, 5.8 mi (9.3 km) southwest of Blitchton, and 8.7 mi (14.0 km) upstream from mouth.

DRAINAGE AREA.--232 mi^2 (601 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973. February 1980 to September 1980.

GAGE.--Water-stage recorder. Altitude of gage is 30 ft (9 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Aug. 12 to Sept. 17, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,590 ft^3/s (45.0 m^3/s) Mar. 15, 1980, gage height, 9.98 ft (3.042 m); zero flow was observed August 19, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft^3/s (25.5 m^3/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft /s)	(m /s)	(ft)	(m)	Date	Time	(ft /s)	(m /s)	(ft)	(m)
Mar. 15	2100	*1590	45.0	9.98	3.042	Apr. 10	2400	978	27.7	8.95	2.728
Apr. 1	1300	1570	44.5	9.96	3.036	May 25	2100	950	26.9	8.89	2.710

Minimum daily discharge, 0.38 ft^3/s (0.011 m^3/s) Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	71	1540	41	57	4.3	1.3	.38
2					---	67	1360	33	41	3.4	1.2	.40
3					---	63	1030	27	30	2.8	1.1	.40
4					---	60	877	24	22	2.5	1.1	.42
5					---	60	823	22	16	2.3	.91	.50
6					---	80	767	20	12	2.1	.88	.80
7					---	97	746	16	8.8	2.4	.84	.74
8					---	135	705	14	6.8	2.9	.75	.64
9					---	202	814	14	5.2	2.4	.76	.54
10					---	258	880	14	4.2	2.0	.76	.46
11					---	348	938	13	3.4	1.8	.74	.44
12					---	383	808	11	3.3	1.6	.62	.42
13					---	739	696	9.5	5.6	1.6	.54	.42
14					332	1070	571	8.4	4.8	1.4	.54	.40
15					292	1530	511	7.0	4.1	1.4	.54	.44
16					256	1490	522	5.8	3.2	1.4	.54	.42
17					240	1170	469	5.9	2.7	1.4	.50	.56
18					224	943	376	13	5.2	1.3	.48	.76
19					210	824	314	16	16	1.3	.46	.81
20					194	1020	236	44	11	1.3	.48	.86
21					177	1080	193	43	7.4	1.2	.60	.94
22					156	916	169	51	7.3	1.1	.70	1.1
23					139	761	147	126	6.5	1.4	.98	1.1
24					126	620	120	449	11	1.8	.80	1.1
25					116	515	91	785	21	3.0	.60	1.2
26					106	428	72	897	32	3.2	.52	1.3
27					96	361	68	721	20	2.5	.46	3.0
28					90	355	66	441	13	2.0	.44	5.8
29					80	426	55	236	8.5	1.7	.42	8.2
30					---	684	48	135	6.1	1.6	.40	6.6
31					---	1130	---	82	---	1.4	.40	---
TOTAL					---	17886	16012	4324.6	395.1	62.5	21.36	41.15
MEAN					---	577	534	140	13.2	2.02	.69	1.37
MAX					---	1530	1540	897	57	4.3	1.3	8.2
MIN					---	60	48	5.8	2.7	1.1	.40	.38
CFSM					---	2.49	2.30	.60	.06	.009	.003	.006
IN.					---	2.87	2.57	.69	.06	.01	.00	.01

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.

LOCATION.--Lat 32°11'05", long 81°53'20", Evans County, Hydrologic Unit 03060208, on right bank 400 ft (122 m) upstream from bridge on State Highway 73, 2 mi (3.2 km) northeast of Claxton, and 10 mi (16.1 km) upstream from Lotts Creek.
DRAINAGE AREA.--555 mi2 (1,440 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1937 to current year.
REVISED RECORDS.--WSP 1112: 1939-41, 1944.
GAGE.--Water-stage recorder. Datum of gage is 80.5 ft (24.54 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Oct. 20, 1949, nonrecording gage at same site and datum.
REMARKS.--Records fair.
AVERAGE DISCHARGE.--43 years, 472 ft3/s (13.4 m3/s), 11.55 in/yr (293 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft3/s (357 m3/s) May 26, 1966, gage height, 16.58 ft (5.054 m); minimum observed discharge, 0.86 ft3/s (0.024 m3/s) Sept. 8-14, Oct. 25, 26, Nov. 2, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft3/s (51.0 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Mar. 17	1300	*5960	169	13.68	4.170
Apr. 2	0900	3680	104	12.28	3.743

Minimum discharge, 1.1 ft3/s (0.031 m3/s) Sept. 4, 14, 17-18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	462	60	114	270	700	318	3380	243	454	7.8	5.9	1.4
2	571	63	118	263	688	306	3640	198	264	7.4	5.2	1.3
3	680	54	125	248	681	281	3260	168	167	6.5	4.3	1.4
4	647	47	121	234	657	249	2730	154	121	6.5	3.8	1.3
5	592	44	113	223	606	225	2410	143	91	6.1	3.4	1.4
6	614	46	137	218	558	283	2140	134	69	6.5	3.2	1.6
7	550	52	295	213	534	360	2050	126	54	9.6	3.0	2.6
8	454	53	329	216	501	441	2570	116	43	6.7	2.8	2.4
9	363	62	317	233	468	636	2610	117	36	7.0	2.6	1.8
10	283	66	344	243	564	783	2410	121	29	6.3	3.0	1.6
11	248	87	327	253	687	897	2190	115	24	5.8	4.2	1.5
12	263	174	300	269	725	947	2000	108	20	5.2	7.4	1.4
13	264	201	306	263	751	1290	1760	104	17	4.9	3.0	1.4
14	217	228	312	252	714	1820	1540	92	16	4.5	2.8	1.3
15	171	318	403	249	659	2870	1420	79	14	4.3	2.7	1.4
16	146	354	765	248	640	3960	1330	74	13	4.0	2.4	1.3
17	135	425	745	245	665	5750	1250	86	12	3.8	1.8	1.3
18	120	557	672	243	647	5250	1150	86	14	3.8	1.8	1.3
19	99	564	579	238	616	3830	1040	83	23	3.1	1.6	1.8
20	84	481	476	231	615	3140	945	353	32	4.0	1.5	2.1
21	70	375	385	252	584	2610	875	558	22	4.4	1.6	2.1
22	61	299	312	305	525	2170	785	414	23	3.4	1.8	2.7
23	56	232	276	364	473	1920	679	300	48	3.6	2.1	2.6
24	51	186	257	435	436	1820	578	339	29	5.4	3.2	2.1
25	47	160	278	467	402	1720	515	391	21	8.9	2.6	3.2
26	43	146	289	556	361	1600	461	403	19	18	1.8	3.2
27	41	137	280	696	320	1510	423	447	16	22	1.6	3.5
28	39	130	275	746	307	1500	389	457	13	15	1.5	3.8
29	37	125	260	747	313	1550	346	588	12	9.2	1.4	4.4
30	36	120	248	742	---	1940	295	762	9.8	8.3	1.4	4.1
31	40	---	265	709	---	2740	---	708	---	7.5	1.3	---
TOTAL	7484	5846	10023	10871	16397	54716	47171	8067	1725.8	219.5	86.7	63.3
MEAN	241	195	323	351	565	1765	1572	260	57.5	7.08	2.80	2.11
MAX	680	564	765	747	751	5750	3640	762	454	22	7.4	4.4
MIN	36	44	113	213	307	225	295	74	9.8	3.1	1.3	1.3
CFSM	.43	.35	.58	.63	1.02	3.18	2.83	.47	.10	.01	.005	.004
IN.	.50	.39	.67	.73	1.10	3.67	3.16	.54	.12	.01	.01	.00

CAL YR 1979 TOTAL 178877.2 MEAN 490 MAX 6050 MIN 8.5 CFSM .88 IN 11.99
WTR YR 1980 TOTAL 162670.3 MEAN 444 MAX 5750 MIN 1.3 CFSM .80 IN 10.90

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 05...	0700	585	5.5	14.5	19.5	7.4
NOV 08...	0820	52	5.8	7.5	12.0	8.4
DEC 06...	1045	117	6.0	9.5	6.0	8.3
JAN 10...	0915	243	6.1	9.0	10.0	9.4
APR 01...	1400	3400	5.0	27.0	18.5	6.4
MAY 22...	0900	434	4.9	23.0	22.5	6.0
JUN 19...	1130	20	5.7	25.0	25.5	4.5
JUL 24...	0800	5.6	6.6	22.0	26.0	3.0
AUG 20...	0930	1.5	6.6	31.0	27.5	2.0
SEP 19...	0800	1.8	6.3	24.0	24.5	3.2

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	50	200	11	1.7	360	5	14	<.02	.030	.040	22
NOV 08...	54	200	8	1.4	90	5	8	<.02	.150	.090	17
DEC 06...	53	90	7	1.3	9300	6	7	.10	.290	.160	9.0
JAN 10...	52	80	4	2.1	140	4	1	.14	.170	.070	10
APR 01...	35	120	7	1.0	430	4	3	.03	.020	.030	21
MAY 22...	42	100	20	2.0	2900	3	46	.09	.080	.100	16
JUN 19...	74	80	7	2.4	7500	8	5	.12	.110	.210	10
JUL 24...	85	60	14	3.4	3900	19	<1	.16	.600	.520	8.0
AUG 20...	124	100	5	5.9	230	24	6	.08	1.060	.790	8.0
SEP 19...	139	45	3	>6.7	40	34	7	.09	1.020	1.200	7.0

02203519 CANOOCHEE RIVER NEAR RICHMOND HILL, GA.

LOCATION.—Lat 31°58'59", long 81°23'07", Bryan County, Hydrologic Unit 03060203, at bridge on State Highway 67, 5.3 mi (8.5 km) west of Richmond Hill, and 8.5 mi (13.7 km) upstream from Ogeechee River.

PERIOD OF RECORD.—July 1978 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
03...	1730	4.6	23.5	23.5	4.5
NOV					
07...	1130	6.2	20.5	16.5	7.7
DEC					
05...	1100	6.0	11.0	7.0	8.6
JAN					
09...	1345	5.8	19.5	10.0	8.5
APR					
02...	0830	4.3	18.0	17.0	6.1
MAY					
21...	0745	5.7	21.5	23.5	5.3
JUN					
19...	0730	6.3	21.0	26.0	5.6
JUL					
24...	1625	7.6	29.5	29.0	7.5
AUG					
19...	1330	7.8	32.0	31.0	7.7
SEP					
18...	0730	4.6	24.0	26.0	5.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
03...	44	390	9	.8	430	1	6	<.02	<.020	.040	38
NOV											
07...	62	225	5	1.0	40	7	4	.36	.020	.100	<1.0
DEC											
05...	52	160	7	.5	<30	6	<1	.07	.070	.090	16
JAN											
09...	51	120	5	.7	65	4	3	.02	.080	.050	13
APR											
02...	35	200	5	.9	140	1	3	<.02	<.020	.040	24
MAY											
21...	44	225	5	.9	90	5	5	.28	.170	.140	14
JUN											
19...	60	90	3	1.4	930	9	3	.23	.130	.220	9.5
JUL											
24...	77	70	13	2.3	110	17	<1	.28	<.020	.300	10
AUG											
19...	104	80	8	--	1400	20	16	.43	<.020	.490	13
SEP											
18...	108	40	4	.9	150	--	7	.11	.110	.380	6.0

02203578 NORTH NEWPORT RIVER AT HALFMOON LANDING, GA.

LOCATION.--Lat 31°40'39", long 81°18'05", Liberty County, Hydrologic Unit 03060204, at Halfmoon Landing, at mile 9.9 (15.9 km).
DRAINAGE AREA.--157 mi2 (407 km2).
PERIOD OF RECORD.--September 1966 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1970 to September 1976.
pH: July 1970 to September 1976.
WATER TEMPERATURES: July 1970 to September 1976.
DISSOLVED OXYGEN: July 1970 to September 1976.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 04...	0640	7.5	15.5	24.0	3.8
NOV 07...	1010	7.4	18.0	19.0	5.6
DEC 05...	0900	7.6	10.5	12.0	6.6
JAN 09...	1230	7.7	21.0	10.5	7.8
APR 02...	0945	7.4	18.5	17.5	3.5
MAY 20...	1245	7.5	29.0	25.5	3.7
JUN 18...	1130	7.4	32.0	27.5	5.2
JUL 24...	1800	7.7	31.0	30.5	5.3
AUG 19...	1500	7.4	34.5	30.0	4.9
SEP 17...	1500	7.3	26.0	29.0	4.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MIC-O-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	22700	100	56	1.2	<130	87	9200	144	.29	.040	.310	18
NOV 07...	28500	60	27	1.0	40	97	12400	71	.07	.220	.150	11
DEC 05...	31400	20	24	.6	<30	107	11000	45	.04	.030	.100	6.0
JAN 09...	28600	30	6	.2	<30	100	13000	15	.02	.040	.060	8.0
APR 02...	16000	60	20	.8	<30	62	7200	73	<.02	.040	.090	11
MAY 20...	28000	50	24	1.1	<30	82	12500	51	.02	.050	.100	9.3
JUN 18...	18500	30	12	1.6	<30	99	--	33	<.02	.220	.110	8.0
JUL 24...	40000	40	21	1.6	<30	108	14400	31	<.02	.160	.120	10
AUG 19...	40000	40	2	1.1	<30	115	--	25	.03	.030	.140	11
SEP 17...	46000	50	5	.8	<30	117	17400	23	<.02	1.480	.140	7.0

02203800 SOUTH RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at bridge on Bouldercrest Road at Atlanta, 0.4 mi (0.6 km) southeast of Interstate Highway 285, and 1.1 mi (1.8 km) upstream from Sugar Creek.
DRAINAGE AREA.--41.5 mi2 (107 km2).
PERIOD OF RECORD.--July 1975 to current year.
REMARKS.--Natural flow of stream includes some flow diverted from the Chattahoochee River for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
18...	1145	71	7.1	23.5	19.5	6.0
NOV						
13...	1345	70	7.1	13.0	16.0	6.5
DEC						
20...	1040	57	7.0	10.0	10.0	8.0
JAN						
23...	1015	84	6.6	3.5	9.5	8.0
APR						
17...	0930	87	6.8	15.0	13.0	7.3
MAY						
06...	1140	84	6.7	25.0	20.0	4.7
JUN						
03...	1045	84	6.9	32.0	23.0	5.4
JUL						
09...	1315	78	6.5	37.0	28.0	3.7
AUG						
08...	1230	66	6.9	35.0	28.0	2.7
SEP						
04...	0835	93	6.7	21.0	23.5	3.6

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
18...	285	29	17	430	55	37	228	2.5	2.300	1.840	22
NOV											
13...	266	48	22	2200	52	23	208	2.4	2.400	2.400	22
DEC											
20...	299	25	18	430	62	19	210	1.4	4.360	2.580	6.5
JAN											
23...	170	40	8.4	1500	37	31	136	1.3	1.600	.840	5.0
APR											
17...	275	22	11	65	53	17	204	2.0	4.060	2.000	15
MAY											
06...	290	22	22	9300	55	20	224	2.4	3.920	1.880	15
JUN											
03...	271	15	14	230	50	12	212	2.2	3.500	2.750	13
JUL											
09...	260	15	16	75000	49	15	192	1.9	3.120	2.360	14
AUG											
08...	190	21	20	210000	66	16	252	1.6	3.540	3.600	--
SEP											
04...	155	80	27	430000	33	150	276	.84	1.870	1.070	25

02203900 SOUTH RIVER AT FLAKES MILL ROAD, NEAR ATLANTA, GA.

LOCATION.--Lat 33°39'58", long 84°13'29", DeKalb County, Hydrologic Unit 03070103, at bridge on Flakes Mill Road, 1.6 mi (2.6 km) upstream from Snapfinger Creek, and 15 mi (24 km) southeast of Atlanta.

DRAINAGE AREA.--99 mi^2 (256 km^2).

PERIOD OF RECORD.--Water years 1951-79 (annual maximum), August 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 717.75 ft (218.77 m), National Geodetic Vertical Datum of 1929. July 14, 1950 to Aug. 23, 1979, crest-stage gage at same site and datum.

REMARKS.--Records good. Low flow affected by operation of wastewater treatment plants upstream of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s (354 m^3/s) Feb. 25, 1961, gage height, 21.3 ft (6.49 m); minimum daily discharge, 69 ft^3/s (1.95 m^3/s) Sept. 27, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s (70.8 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 18	1230	2560	72.5	8.17	2.490
Mar. 8	1845	*6700	190	14.41	4.392
Mar. 13	0015	4100	116	10.37	3.161
Mar. 28	2330	4860	138	11.42	3.481
May 20	1430	3160	89.5	8.94	2.725
May 24	0130	6200	176	13.50	4.115
June 24	0400	4280	121	10.55	3.216

Minimum daily discharge, 69 ft^3/s (1.95 m^3/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	1890
2											---	219
3											---	191
4											---	144
5											---	115
6											---	107
7											---	103
8											---	100
9											---	94
10											---	92
11											---	92
12											---	89
13											---	180
14											---	307
15											---	104
16											---	93
17											---	141
18											---	740
19											---	167
20											---	117
21											---	495
22											---	395
23											373	133
24											351	118
25											217	112
26											626	109
27											360	1110
28											125	501
29											932	817
30											506	185
31											206	---
TOTAL											---	9060
MEAN											---	302
MAX											---	1890
MIN											---	89
CFSM											---	3.05
IN.											---	3.40

02203900 SOUTH RIVER AT FLAKES HILL ROAD, NEAR ATLANTA, GA.—Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	133	126	112	135	155	256	140	142	121	87	81
2	126	1240	120	103	121	156	224	137	135	117	86	88
3	114	231	115	99	116	124	211	136	133	115	85	86
4	772	133	118	193	113	124	206	133	131	112	123	158
5	492	118	116	125	113	763	178	140	126	110	101	98
6	160	115	128	99	149	269	170	162	126	112	88	159
7	127	111	123	98	129	331	169	132	125	116	85	78
8	120	107	112	208	119	4840	263	132	122	107	84	76
9	116	107	106	314	763	1790	206	130	117	107	83	74
10	121	796	109	134	593	302	165	125	116	104	131	85
11	107	555	111	331	200	230	161	121	115	103	116	91
12	106	225	110	216	156	1750	285	124	113	100	89	76
13	100	157	110	126	138	1550	571	125	112	98	92	74
14	95	136	113	124	131	318	752	192	112	97	85	72
15	93	124	104	112	129	240	241	145	110	99	169	73
16	87	121	100	108	771	204	198	127	107	99	157	72
17	82	117	100	1220	205	363	182	385	191	96	171	82
18	83	111	100	1970	154	498	175	213	326	173	110	96
19	88	110	102	399	142	222	166	318	237	113	98	84
20	86	108	100	214	160	217	160	1970	180	112	141	202
21	87	107	99	165	136	781	160	419	120	119	119	151
22	87	104	96	319	263	249	157	605	117	96	86	86
23	170	101	95	425	152	200	153	2190	523	95	82	81
24	100	652	170	169	179	405	148	2920	2210	96	81	79
25	93	646	134	143	130	229	145	298	1000	203	89	75
26	92	902	97	138	122	188	148	215	242	106	80	75
27	91	222	97	149	123	180	144	181	166	185	77	69
28	88	167	96	126	121	2410	143	164	145	96	76	515
29	256	143	94	119	120	1740	171	155	183	94	98	461
30	170	132	218	115	---	798	143	146	149	90	115	718
31	103	---	110	338	---	334	---	141	---	88	84	---
TOTAL	4553	8031	3529	8511	5883	21960	6451	12521	7731	3479	3168	4215
MEAN	147	268	114	275	203	708	215	404	258	112	102	141
MAX	772	1240	218	1970	771	4840	752	2920	2210	203	171	718
MIN	82	101	94	98	113	124	143	121	107	88	76	69
CFSM	1.49	2.71	1.15	2.78	2.05	7.15	2.17	4.08	2.61	1.13	1.03	1.42
IN.	1.71	3.02	1.33	3.20	2.21	8.25	2.42	4.70	2.90	1.31	1.19	1.58

WTR YR 1980 TOTAL 90032 MEAN 246 MAX 4840 MIN 69 CFSM 2.49 IN 33.83

02203965 SOUTH RIVER NEAR LITHONIA, GA.

LOCATION.--Lat 33°39'14", long 84°11'12", DeKalb County, Hydrologic Unit 03070103, at bridge on State Highway 155, 2.0 mi (3.2 km) south of State Highway 212, 2.4 mi (3.8 km) downstream from Snapfinger Creek, and 6.2 mi (10 km) southwest of Lithonia.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Natural flow of stream includes some flow diverted from the Chattahoochee River for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 18...	1215	7.2	23.5	18.0	6.3
NOV 13...	1240	7.1	15.5	14.5	8.0
DEC 20...	1000	7.1	9.5	8.0	8.9
JAN 23...	1040	6.9	5.5	10.5	7.9
APR 17...	1015	7.2	15.0	13.0	8.0
MAY 06...	1030	6.6	27.5	18.0	5.9
JUN 03...	1000	7.0	30.5	22.0	5.9
JUL 09...	1145	6.7	35.5	26.0	4.0
AUG 08...	1115	6.9	35.0	25.5	4.0
SEP 04...	0930	7.1	22.5	24.0	3.8

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	223	11	5.4	2300	48	11	148	2.0	2.100	1.120	7.0
NOV 13...	177	24	11	930	41	13	120	1.4	1.930	1.000	3.5
DEC 20...	228	19	9.6	<30	51	12	152	1.3	4.020	2.320	1.0
JAN 23...	103	91	9.6	9300	24	89	152	.70	.800	.570	6.0
APR 17...	154	20	5.2	30	38	15	138	1.2	2.000	1.250	5.5
MAY 06...	175	20	16	4300	40	24	144	1.2	2.800	1.380	3.5
JUN 03...	163	10	7.6	865	42	10	136	1.7	4.100	1.600	6.0
JUL 09...	180	10	8.0	21000	43	9	140	1.5	2.320	1.760	8.0
AUG 08...	142	14	2.0	930	51	6	164	2.1	2.780	2.500	--
SEP 04...	205	26	20	660000	53	59	212	1.1	3.740	3.100	17

02204285 PATES CREEK NEAR FLIPPEN, GA.

LOCATION.--Lat 33°29'34", long 84°14'44", Henry County, Hydrologic Unit 03070103, on left upstream headwall of culvert on county road, 3.6 mi (5.8 km) west of Flippen, and 3.8 mi (6.1 km) upstream from Little Cotton Indian Creek.
DRAINAGE AREA.--11.9 mi^2 (30.8 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1977 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 722 ft (220 m), from topographic map.
REMARKS.--Records good except those for period of doubtful gage-height record, July 10 to Sept. 30, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 816 ft^3/s (23.1 m^3/s) Nov. 5, 1977, gage height, 9.40 ft (2.865 m); minimum discharge, 1.5 ft^3/s (0.042 m^3/s) Oct. 24, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft^3/s (9.91 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	1300	483	13.7	5.86	1.786	May 20	1130	*699	19.8	8.23	2.509
Mar. 12	1600	358	10.1	4.47	1.362	May 23	1915	420	11.9	5.15	1.570
Mar. 28	1700	534	15.1	6.42	1.957						

Minimum daily discharge, 1.7 ft^3/s (0.048 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	6.2	12	9.4	15	11	33	8.6	9.4	7.6	3.6	2.5
2	7.6	11	11	8.7	13	12	28	8.0	9.1	7.4	3.4	2.2
3	4.8	8.0	10	8.0	12	11	24	10	9.4	7.1	3.2	5.5
4	14	6.6	10	8.7	11	10	28	11	9.1	6.8	3.1	3.5
5	21	6.2	9.4	10	10	38	21	11	8.5	6.7	4.3	3.0
6	11	6.2	11	8.7	12	37	18	10	8.3	6.6	3.8	3.5
7	9.1	6.2	11	9.0	12	33	17	9.8	8.3	6.4	5.0	2.9
8	6.2	6.1	9.5	12	10	197	18	11	8.0	6.3	4.0	2.3
9	5.3	6.2	8.9	13	36	88	17	10	7.8	6.2	3.5	2.2
10	5.5	11	8.5	11	59	39	15	9.0	7.6	7.5	3.2	2.0
11	5.4	20	8.0	16	32	25	13	8.3	7.5	6.5	3.0	2.8
12	4.8	18	8.0	15	23	137	13	8.0	7.5	5.8	27	2.2
13	4.4	15	8.0	13	18	105	34	8.0	7.5	5.6	18	2.0
14	4.2	10	7.8	13	15	46	53	14	7.4	5.4	8.0	1.9
15	4.0	8.7	7.6	12	14	30	30	14	7.4	5.2	7.6	1.8
16	4.0	8.7	7.4	11	21	22	23	11	7.4	5.2	10	1.7
17	4.3	7.1	7.3	30	16	46	20	21	7.6	5.1	8.0	4.0
18	4.4	6.9	7.2	86	14	62	17	20	7.9	11	6.8	7.0
19	4.4	6.7	7.1	41	13	35	15	14	11	7.5	5.7	5.0
20	4.6	6.5	7.1	27	13	29	15	335	11	6.0	4.9	3.6
21	4.7	6.2	7.0	20	13	53	14	69	7.9	5.3	4.4	2.8
22	4.7	6.0	7.3	20	27	32	12	24	7.1	7.0	4.0	2.5
23	5.2	6.2	7.6	23	25	25	11	95	11	5.7	3.8	2.4
24	4.7	21	8.0	17	19	30	10	73	27	5.2	8.0	2.3
25	4.4	41	8.7	15	15	28	9.4	37	20	4.8	4.7	2.2
26	4.4	49	7.6	15	13	23	9.6	24	12	5.0	3.7	2.0
27	4.4	29	7.4	15	12	20	9.2	18	9.5	5.2	3.2	2.5
28	4.3	20	7.2	13	12	214	8.6	14	8.1	4.7	2.8	10
29	4.3	15	7.1	12	11	121	11	12	7.9	4.3	2.6	12
30	7.6	13	13	11	---	108	9.2	11	7.7	4.0	2.5	20
31	7.1	---	11	19	---	52	---	10	---	3.8	2.8	---
TOTAL	198.8	387.7	268.7	542.5	516	1719	556.0	938.7	285.9	186.9	178.6	120.3
MEAN	6.41	12.9	8.67	17.5	17.8	55.5	18.5	30.3	9.53	6.03	5.76	4.01
MAX	21	49	13	86	59	214	53	335	27	11	27	20
MIN	4.0	6.0	7.0	8.0	10	10	8.6	8.0	7.1	3.8	2.5	1.7
CFSM	.54	1.08	.73	1.47	1.50	4.66	1.56	2.55	.80	.51	.48	.34
IN.	.62	1.21	.84	1.70	1.61	5.37	1.74	2.93	.89	.58	.56	.38

CAL YR 1979 TOTAL 5074.6 MEAN 13.9 MAX 257 MIN 2.8 CFSM 1.17 IN 15.86
WTR YR 1980 TOTAL 5899.1 MEAN 16.1 MAX 335 MIN 1.7 CFSM 1.35 IN 18.44

02204285 PATES CREEK NEAR FLIPPEN, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
DEC					
12...	1505	8.0	12.5	19	.41
APR					
24...	1645	9.6	20.5	26	.67
JUN					
03...	1530	9.4	23.5	30	.76
JUL					
21...	1005	5.3	23.0	21	.30

02204500 SOUTH RIVER NEAR MCDONOUGH, GA.

LOCATION.—Lat 33°29'48", long 84°00'53", Henry-Newton County line, Hydrologic Unit 03070103, on left bank 20 ft (6 m) downstream from Butler Bridge, 0.2 mi (0.3 km) upstream from Beech Creek, 2 mi (3.2 km) downstream from Big Walnut Creek, 4.5 mi (7.2 km) downstream from Cotton River, and 9 mi (14.5 km) northeast of McDonough.

DRAINAGE AREA.—456 mi^2 (1,180 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1939 to September 1960. Water years 1961-65 (annual maximum only). October 1975 to current year.

REVISED RECORDS.—WSP 1624: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 564.99 ft (172.209 m) National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers' bench mark).

REMARKS.—Records good. Low flows affected by return flow from city of Atlanta and DeKalb County.

AVERAGE DISCHARGE.—26 years, 583 ft^3/s (16.5 m^3/s), 17.36 in/yr (441 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 34,500 ft^3/s (977 m^3/s) Jan. 7, 1946, gage height, 24.7 ft (7.53 m), from rating curve extended above 25,000 ft^3/s (708 m^3/s); minimum daily, 54 ft^3/s (1.53 m^3/s) Oct. 12, 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 5,000 ft^3/s (142 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 18	1930	5620	159	14.43	4.398
Mar. 9	1700	*10900	309	18.45	5.624
Mar. 13	1900	7760	220	16.36	4.987
Mar. 29	1600	9890	280	17.93	5.465
May 21	0900	10600	300	18.32	5.584
May 25	0130	7460	211	16.13	4.916

Minimum daily discharge, 156 ft^3/s (4.42 m^3/s) Sept. 15-17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	692	346	490	401	820	533	1590	583	570	408	181	232
2	530	847	465	391	616	612	1280	563	534	373	178	231
3	440	1840	440	367	582	558	1130	556	510	357	173	221
4	410	580	420	383	564	526	1160	563	478	342	181	213
5	1800	434	404	556	544	961	988	542	451	332	224	245
6	730	394	404	419	558	1880	892	552	436	320	197	263
7	505	378	428	385	625	911	851	525	434	317	175	237
8	428	360	402	393	565	3430	871	515	419	293	179	192
9	412	352	384	648	901	9430	1140	534	400	285	169	173
10	396	485	374	632	2670	3610	873	502	382	280	177	164
11	396	1270	372	477	1300	1320	789	483	369	269	247	204
12	376	994	372	858	842	1910	774	468	355	266	219	198
13	360	572	374	588	717	6830	992	460	347	253	220	178
14	342	478	373	535	654	3140	3230	563	349	240	221	167
15	324	434	369	512	622	1400	1620	753	346	235	193	156
16	302	418	355	475	1330	1120	1060	590	328	226	488	156
17	296	410	348	789	1230	1050	901	613	321	226	295	156
18	296	402	340	4850	749	2230	828	1210	705	333	306	191
19	286	388	339	3680	667	1420	801	740	590	323	250	194
20	282	374	339	1220	648	1070	766	4240	519	288	236	207
21	284	368	334	882	653	2340	733	8770	402	262	321	399
22	286	362	332	780	692	1880	718	1980	406	257	259	270
23	284	358	333	1270	906	1110	700	2820	441	234	261	207
24	350	582	341	854	736	1060	667	5490	2580	235	219	203
25	296	1170	465	700	656	1320	639	4260	3480	310	236	185
26	280	2380	380	658	593	938	622	1160	1250	298	208	177
27	270	1120	345	668	559	830	626	893	651	312	193	169
28	270	692	337	645	552	2880	603	761	520	305	183	191
29	290	575	330	592	543	9170	628	692	455	241	178	1070
30	450	515	395	573	---	4890	632	641	490	218	224	1150
31	416	---	558	770	---	2590	---	599	---	199	254	---
TOTAL	13079	19878	11942	26951	23094	72949	29104	43621	19518	8837	7045	7999
MEAN	422	663	385	869	796	2353	970	1407	651	285	227	267
MAX	1800	2380	558	4850	2670	9430	3230	8770	3480	408	488	1150
MIN	270	346	330	367	543	526	603	460	321	199	169	156
CFSM	.93	1.45	.84	1.91	1.75	5.16	2.13	3.09	1.43	.63	.50	.59
IN.	1.07	1.62	.97	2.20	1.88	5.95	2.37	3.56	1.59	.72	.57	.65

CAL YR 1979 TOTAL 269347 MEAN 738 MAX 15400 MIN 160 CFSM 1.62 IN 21.97
WTR YR 1980 TOTAL 284017 MEAN 776 MAX 9430 MIN 156 CFSM 1.70 IN 23.17

02204500 SOUTH RIVER NEAR MCDONOUGH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1957 to May 1958, January 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
08...	1150	362	11.0	19	19
DEC					
13...	1100	372	12.5	16	16
APR					
22...	1115	718	16.5	22	43
JUN					
04...	1000	480	25.0	24	31
JUL					
18...	1130	321	26.0	36	31
AUG					
26...	0950	216	23.0	16	9.3

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.

LOCATION.--Lat 33°29'04", long 83°57'29", Newton-Henry County line, Hydrologic Unit 03070103, at bridge on State Highway 81, 0.2 mi (0.3 km) south of State Highway 212, and 0.5 mi (0.8 km) upstream from Snapping Shoals Creek.
DRAINAGE AREA.--465 mi2 (1,200 km2).
PERIOD OF RECORD.--July 1975 to current year.
REMARKS.--Natural flow of stream includes some flow diverted from the Chattahoochee River for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 11...	1320	360	7.2	18.5	15.0	--
NOV 07...	1400	400	6.7	20.0	12.0	7.3
DEC 05...	1430	385	6.9	16.0	7.5	9.4
JAN 23...	1120	1800	6.9	5.5	10.0	7.8
FEB 14...	0950	680	7.0	.0	5.0	9.4
MAR 17...	1045	1050	6.7	17.0	13.0	8.3
APR 17...	1115	850	6.9	20.0	14.0	7.8
MAY 06...	0945	570	6.5	22.0	18.5	6.5
JUN 03...	0915	540	6.8	28.0	22.0	6.5
JUL 09...	1030	260	6.8	32.5	26.0	6.0
AUG 08...	1000	210	7.0	32.5	26.0	5.9
SEP 04...	1030	230	7.3	26.0	24.0	4.2

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)
OCT 11...	116	11	11	2.0	150	26
NOV 07...	115	12	12	2.8	230	23
DEC 05...	116	27	15	2.4	230	24
JAN 23...	101	48	22	6.4	2300	21
FEB 14...	94	21	10	2.4	90	21
MAR 17...	92	26	9	3.6	430	18
APR 17...	80	29	7	1.2	930	17
MAY 06...	100	12	<5	3.9	430	20
JUN 03...	95	16	10	2.8	90	20
JUL 09...	128	13	10	1.6	110	22
AUG 08...	100	15	8	.9	930	27
SEP 04...	138	12	12	2.4	930	23

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
11...	12	76	.92	.090	.30	.660	3.0
NOV							
07...	6	88	1.9	.230	.70	.350	4.0
DEC							
05...	33	98	1.6	.730	1.3	.680	<1.0
JAN							
23...	69	146	1.2	.520	1.3	.530	5.0
FEB							
14...	11	84	1.2	.340	.52	.390	3.0
MAR							
17...	23	136	.90	.140	.40	.270	3.0
APR							
17...	--	--	.95	.110	.40	.230	2.0
MAY							
06...	9	86	1.5	.160	.50	.520	1.0
JUN							
03...	13	92	1.5	.070	1.7	.470	4.5
JUL							
09...	10	98	3.9	<.020	.38	.770	2.0
AUG							
08...	7	116	2.1	.030	.20	1.230	--
SEP							
04...	10	128	2.5	.100	.20	1.230	3.0

02205000 WILDCAT CREEK NEAR LAWRENCEVILLE, GA.

LOCATION.—Lat 34°00'08", long 84°00'18", Gwinnett County, Hydrologic Unit 03070103, on left bank 75 ft (23 m) upstream from highway bridge, 0.7 mi (1.1 km) upstream from mouth, 1.1 mi (1.8 km) east of State Highway 20, and 3.2 mi (5.1 km) north of Lawrenceville.

DRAINAGE AREA.—1.59 mi2 (4.12 km2).

PERIOD OF RECORD.—October 1953 to current year.

GAGE.—Water-stage recorder. Datum of gage is 967.55 ft (294.909 m), National Geodetic Vertical Datum of 1929.

REMARKS.—Records fair except those for periods of no gage-height record, Oct. 1 to Nov. 6, Mar. 30 to Apr. 21, and May 23 to June 9, which are poor.

AVERAGE DISCHARGE.—27 years, 1.74 ft3/s (0.049 m3/s), 14.86 in/yr (377 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 806 ft3/s (22.8 m3/s) May 6, 1956, gage height, 8.20 ft (2.499 m), from rating curve extended above 45 ft3/s (1.27 m3/s), on basis of slope-area measurement at gage height, 4.95 ft (1.509 m) and slope-area estimate at gage height, 8.20 ft (2.499 m); maximum gage height, 9.80 ft (2.987 m) May 23, 1980; no flow for part of each day Sept. 1-6, Oct. 7, 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 60 ft3/s (1.70 m3/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 1	—	77	2.18	4.20	1.280
Jan. 18	0645	127	3.60	4.88	1.487
Mar. 8	0800	93	2.63	4.44	1.353
Mar. 21	0200	106	3.00	4.62	1.408

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 28	1500	100	2.83	4.56	1.390
May 20	1030	86	2.44	4.35	1.326
May 23	—	*730	20.7	9.80	2.987
June 24	2100	86	2.44	4.12	1.256

Minimum daily discharge, 0.07 ft3/s (0.002 m3/s) Aug. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.90	14	1.3	1.6	2.1	1.8	4.0	1.9	1.6	.86	.25	.23
2	.80	4.0	1.3	1.2	1.9	1.8	3.5	1.8	1.5	.83	.20	.75
3	.70	2.5	1.2	1.1	1.8	1.8	3.0	1.7	1.4	.80	.17	.51
4	7.0	1.7	1.2	1.9	1.8	1.8	2.5	1.7	1.3	.79	.19	.24
5	3.0	1.3	1.2	1.3	1.7	6.7	2.2	1.6	1.2	.75	.29	.23
6	2.0	1.1	1.2	1.2	1.9	2.9	1.9	1.4	1.1	.71	.23	.22
7	1.7	1.0	1.1	1.1	1.9	6.8	1.8	1.4	1.1	.69	.20	.19
8	1.5	1.2	1.1	2.2	1.8	28	2.8	1.5	1.0	.63	.18	.16
9	1.3	1.1	1.1	2.6	5.3	5.7	2.4	1.4	.95	.61	.15	.15
10	1.1	4.0	1.0	1.8	4.5	3.5	2.0	1.3	.83	.54	.27	.17
11	1.0	3.2	1.0	3.4	3.0	2.9	1.7	1.3	.72	.52	.20	.17
12	.92	2.2	1.1	2.5	2.6	15	4.0	1.2	.67	.51	.18	.14
13	.85	1.8	1.1	1.9	2.6	11	10	1.3	.66	.51	.15	.13
14	.80	1.5	1.1	1.8	2.6	4.1	11	1.5	.66	.45	.18	.11
15	.77	1.3	1.0	1.5	2.6	3.1	7.4	1.4	.65	.43	.17	.10
16	.74	1.3	1.0	1.4	3.8	2.8	5.1	1.3	.62	.39	.16	.08
17	.71	1.2	1.0	12	2.5	6.4	4.5	4.1	.75	.37	.19	.20
18	.70	1.2	.94	29	2.2	4.9	3.6	2.5	2.9	.41	.19	.22
19	.68	1.2	.88	6.5	2.2	3.1	3.0	3.0	1.7	.38	.16	.25
20	.66	1.1	.85	5.0	2.4	4.6	2.5	16	1.4	.37	.13	.27
21	.65	1.1	.90	4.7	2.5	17	2.2	5.7	1.2	.35	.11	.26
22	1.6	1.1	.90	7.4	3.7	4.2	2.2	5.5	1.2	.35	.09	.23
23	1.2	1.1	.90	5.4	2.3	3.3	2.2	150	4.5	.34	.08	.21
24	.95	3.7	1.4	3.4	2.1	8.5	2.1	20	11	.46	.12	.19
25	.82	3.4	1.2	2.9	1.9	4.6	2.0	7.0	5.8	.44	.12	.17
26	.75	3.1	1.0	3.2	1.9	3.4	2.0	5.0	2.4	.37	.09	.16
27	.70	2.0	.93	2.5	1.9	3.1	2.7	3.5	1.9	.56	.07	.13
28	1.2	1.7	.90	2.2	1.8	31	2.1	3.0	1.4	.47	.08	1.0
29	3.5	1.4	.90	1.9	1.6	8.9	2.1	2.5	1.2	.36	.12	1.5
30	2.0	1.3	1.7	2.5	---	6.0	2.0	2.1	1.0	.29	.15	3.1
31	3.0	---	1.1	3.3	---	4.8	---	1.8	---	.26	.16	---
TOTAL	44.20	67.8	33.50	120.4	70.9	213.5	100.5	255.4	54.31	15.80	5.03	11.47
MEAN	1.43	2.26	1.08	3.88	2.44	6.89	3.35	8.24	1.81	.51	.16	.38
MAX	7.0	14	1.7	29	5.3	31	11	150	11	.86	.29	3.1
MIN	.65	1.0	.85	1.1	1.6	1.8	1.7	1.2	.62	.26	.07	.08
CFSM	.90	1.42	.68	2.44	1.54	4.33	2.11	5.18	1.14	.32	.10	.24
IN.	1.03	1.59	.78	2.82	1.66	4.99	2.35	5.97	1.27	.37	.12	.27

CAL YR 1979 TOTAL 758.19 MEAN 2.08 MAX 68 MIN .26 CFSM 1.31 IN 17.73
WTR YR 1980 TOTAL 992.81 MEAN 2.71 MAX 150 MIN .07 CFSM 1.70 IN 23.21

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.

LOCATION.—Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, at county highway bridge, 3.2 mi (5.1 km) west of Snellville, 4 mi (6.4 km) downstream from Sweetwater Creek, 6.5 mi (10.5 km) northeast of town of Stone Mountain, and 7.5 mi (12.1 km) upstream from Stone Mountain Creek.
DRAINAGE AREA.—134 mi2 (347 km2).
PERIOD OF RECORD.—November 1969 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for the water years 1943-71 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
NOV						
13...	1100	250	7.1	12.0	13.0	9.4
MAY						
06...	0715	149	7.0	11.0	16.0	7.9
JUN						
03...	0645	145	7.0	17.5	20.0	7.8
AUG						
08...	0700	45	7.2	19.0	23.5	7.2

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV									
13...	73	29	.5	430	21	.41	.040	.070	<1.0
MAY									
06...	71	17	.8	2300	21	.56	.030	.040	<1.0
JUN									
03...	68	24	.8	2300	20	.60	.040	.070	3.5
AUG									
08...	70	17	6.0	1500	29	.88	.040	.160	--

02207300 YELLOW RIVER AT MILSTEAD, GA.

LOCATION.--Lat 33°41'23", long 83°59'49", Rockdale County, Hydrologic Unit 03070103, at bridge on State Highway 20 at Milstead, 2.2 mi (3.5 km) northeast of Conyers.

DRAINAGE AREA.--210 mi^2 (540 km^2), approximately.

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
18...	1300	193	7.2	23.0	16.5	8.0
NOV						
13...	1150	521	7.1	15.5	14.5	9.4
DEC						
20...	0900	210	7.1	3.0	4.0	11.0
JAN						
23...	1230	1140	6.6	5.0	10.0	9.0
APR						
17...	1145	655	7.0	20.5	15.0	9.4
MAY						
06...	0800	319	6.8	17.5	17.0	8.6
JUN						
03...	0800	391	7.0	23.0	22.0	7.8
JUL						
09...	0900	159	7.1	28.0	25.0	6.7
AUG						
08...	0900	82	7.1	31.0	25.5	6.7
SEP						
04...	1215	120	7.4	29.0	24.5	6.8

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, CONFIRMED (MPN)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
18...	77	13	1.0	4300	430	24	.53	.040	<.020	1.0
NOV										
13...	61	33	.6	4300	430	18	.25	<.020	--	<1.0
DEC										
20...	78	15	.9	930	430	22	.52	.080	.040	<1.0
JAN										
23...	53	90	1.6	43000	1500	14	.33	.060	.080	5.0
APR										
17...	51	30	.7	--	1500	15	.31	<.020	.030	3.5
MAY										
06...	64	12	.6	2300	230	17	.47	<.020	.040	1.0
JUN										
03...	55	20	.6	4300	430	17	.39	<.020	.050	3.5
JUL										
09...	70	12	1.0	4300	4300	22	.42	<.020	.050	1.0
AUG										
08...	50	25	.6	1500	750	22	.59	.030	.050	--
SEP										
04...	87	10	.5	930	930	21	.65	.050	.050	4.0

02207500 YELLOW RIVER NEAR COVINGTON, GA.

LOCATION.--Lat 33°36'52", long 83°54'54", Newton County, Hydrologic Unit 03070103, at downstream end of left bank pier of bridge on State Highway 12, 50 ft (15 m) downstream from Interstate Highway 20, 0.2 mi (0.3 km) downstream from Georgia Railroad bridge, 0.5 mi (0.8 km) downstream from Gum Creek, and 3.5 mi (5.6 km) northwest of Covington.
DRAINAGE AREA.--378 mi^2 (979 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September to December 1897, May 1899 to December 1901, July 1944 to September 1960, October 1975 to current year. Published as "at Almon", 1897-1901. Water years 1961-65 (annual maximum only).
REVISED RECORDS.--WSP 1112: 1945(M), 1946. WSP 1624: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 616.99 ft (188.059 m) National Geodetic Vertical Datum of 1929. September to December 1897, staff gage at about same site at different datum. May 1899 to December 1901, staff gage at site 1 mi (1.6 km) upstream at different datum.
REMARKS.--Records good except those for periods of no gage-height record, Jan. 31 to Mar. 10, June 9 to July 14, Aug. 9-26, and Sept. 7-16, which are fair.
AVERAGE DISCHARGE.--23 years (1899-1901, 1944-60, 1975-80), 480 ft^3/s (13.6 m^3/s), 17.24 in/yr (438 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,200 ft^3/s (459 m^3/s) Nov. 29, 1948, gage height, 20.3 ft (6.19 m); minimum daily, 10 ft^3/s (0.28 m^3/s) Oct. 7, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft^3/s (99.1 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 19	1030	3860	109	12.63	3.850
Mar. 9	unknown	*6150	174	15.47	4.715
Mar. 13	2000	4050	115	12.94	3.944
Mar. 29	1630	5490	155	14.70	4.481
May 21	1800	5030	142	14.18	4.322
May 25	2000	5390	153	14.70	4.481

Minimum daily discharge, 76 ft^3/s (2.15 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3150	339	457	386	680	450	1930	522	538	300	146	108
2	1240	952	419	376	640	440	1360	500	498	280	138	104
3	699	1810	386	509	600	470	1160	483	463	270	130	112
4	543	1010	361	401	560	500	1050	478	419	250	124	126
5	1210	583	352	503	540	600	948	465	380	240	146	123
6	1780	469	355	428	540	900	847	451	354	230	149	107
7	878	408	374	364	560	1200	795	431	342	225	133	102
8	576	367	350	371	580	2500	829	413	330	210	125	97
9	463	342	327	649	620	5500	987	410	310	200	120	88
10	396	397	311	717	900	4000	858	396	290	190	118	86
11	365	1030	306	600	1200	1750	746	381	270	190	117	92
12	339	1070	305	783	1100	1490	726	369	260	185	115	90
13	313	757	304	674	900	3480	1030	358	250	180	115	80
14	291	592	310	587	750	3500	2070	360	255	170	120	77
15	270	504	307	543	650	1890	2260	406	250	163	130	77
16	260	446	298	488	800	1180	1320	416	245	164	140	76
17	256	410	289	821	1100	1070	1010	402	280	157	150	77
18	249	392	277	2740	1000	1510	887	768	400	196	140	105
19	240	374	266	3780	900	1450	840	752	530	197	120	111
20	237	349	265	3060	800	1090	779	1320	500	174	150	108
21	237	335	262	1460	700	1680	732	4370	450	167	140	132
22	235	326	259	971	680	2590	689	3990	370	161	120	126
23	239	321	263	1170	660	1740	650	2270	390	154	110	122
24	262	426	277	1170	640	1200	620	3090	800	155	108	108
25	236	834	358	844	600	1420	595	5080	1300	182	106	99
26	222	1090	346	721	560	1180	578	4090	1100	177	105	92
27	220	1280	299	678	520	971	585	1690	800	174	103	86
28	216	792	278	659	490	1870	611	1110	550	225	101	123
29	241	600	264	607	470	5030	586	847	450	210	97	419
30	421	513	339	530	---	4970	561	696	350	178	117	768
31	428	---	470	580	---	3270	---	606	---	158	187	---
TOTAL	16712	19118	10034	28170	20740	60891	28639	37920	13724	6112	3920	4021
MEAN	539	637	324	909	715	1964	955	1223	457	197	126	134
MAX	3150	1810	470	3780	1200	5500	2260	5080	1300	300	187	768
MIN	216	321	259	364	470	440	561	358	245	154	97	76
CFSM	1.43	1.69	.86	2.41	1.89	5.20	2.53	3.24	1.21	.52	.33	.35
IN.	1.64	1.88	.99	2.77	2.04	5.99	2.82	3.73	1.35	.60	.39	.40

CAL YR 1979 TOTAL 227166 MEAN 622 MAX 8520 MIN 124 CFSM 1.65 IN 22.36
WTR YR 1980 TOTAL 250001 MEAN 683 MAX 5500 MIN 76 CFSM 1.81 IN 24.60

02207500 YELLOW RIVER NEAR COVINGTON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 1957 to May 1958, January 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
08...	1525	362	18.5	16	16
DEC					
13...	1450	304	12.0	47	39
APR					
22...	1815	685	18.5	22	41
JUN					
04...	1450	420	24.0	27	31
JUL					
15...	0910	164	25.5	18	8.0
AUG					
26...	1405	105	25.0	10	2.8

02208005 YELLOW RIVER NEAR STEWART, GA.

LOCATION.--Lat 33°26'26", long 83°52'43", Newton County, Hydrologic Unit 03070103, at bridge on State Highway 212, 2.5 mi (4.0 km) northwest of Stewart.
DRAINAGE AREA.--440 mi² (1,140 km²), approximately.
PERIOD OF RECORD.--July 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 10...	1520	490	7.3	13.5	16.5	--
NOV 07...	1435	570	6.8	20.0	12.0	9.2
DEC 05...	1345	460	7.0	16.0	5.0	12.0
JAN 23...	1145	1150	6.9	5.5	10.0	9.6
FEB 14...	1035	880	6.5	6.0	4.0	12.1
MAR 17...	0930	1430	6.9	16.0	13.0	10.0
APR 17...	1100	1340	7.0	20.0	14.0	9.3
MAY 06...	0915	580	6.8	18.0	17.5	8.7
JUN 03...	0845	710	6.7	27.0	21.5	8.3
JUL 09...	1100	230	6.9	34.0	25.5	6.0
AUG 08...	1030	160	7.2	33.0	26.5	6.1
SEP 04...	1115	120	7.3	25.0	24.5	6.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	58	20	7	.6	930	17	20	.45	.030	.60	.070	2.0
NOV 07...	59	20	8	.7	70	17	11	.33	<.020	.30	.040	<1.0
DEC 05...	62	15	--	.3	150	18	5	.51	.050	.20	.080	<1.0
JAN 23...	48	34	13	.9	930	12	36	.39	.040	.73	.070	3.0
FEB 14...	52	21	5	1.1	230	15	9	.44	.040	.10	.070	2.0
MAR 17...	50	33	5	1.0	430	12	27	.34	.080	.20	.070	1.0
APR 17...	45	34	6	.7	230	12	31	.30	<.020	.20	.050	1.0
MAY 06...	56	16	<5	.5	430	16	13	.40	<.020	.40	.060	<1.0
JUN 03...	49	25	11	.4	930	14	26	.45	.030	--	.070	3.0
JUL 09...	62	15	--	.8	43000	19	14	.50	.020	--	.090	2.0
AUG 08...	43	22	--	.6	430	20	13	.61	.030	--	.080	--
SEP 04...	69	12	--	.5	750	21	12	.50	<.020	--	.090	6.5

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.

LOCATION.--Lat 33°38'24", long 83°46'45", Newton County, Hydrologic Unit 03070103, at right bank on city of Covington water works intake structure, 400 ft (122 m) upstream from bridge on Alcovy Road, 600 ft (183 m) upstream from Georgia Railroad trestle, and 6 mi (10 km) northeast of Covington.
DRAINAGE AREA.--185 mi2 (479 km2), approximately.
PERIOD OF RECORD.--January 1972 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 650 ft (198 m), from topographic map.
REMARKS.--Records good. Discharge affected by diversions by city of Covington.
AVERAGE DISCHARGE.--8 years, 285 ft3/s (8.07 m3/s), 20.92 in/yr (531 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,530 ft3/s (185 m3/s) Mar. 16, 1976, gage height, 14.79 ft (4.508); minimum daily, 25 ft3/s (0.71 m3/s) Sept. 17, 1972.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft3/s (51.0 m3/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 9	0900	2360	66.8	10.87	3.313
Mar. 29	1300	2300	65.1	10.79	3.289
May 21	0500	*3580	101	12.09	3.685

Minimum daily discharge, 31 ft3/s (0.88 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1100	210	211	228	325	219	1050	272	283	160	76	62
2	1070	258	195	202	322	229	811	264	266	144	70	61
3	528	293	184	191	285	233	638	256	249	133	67	55
4	312	385	172	188	260	228	572	256	237	124	65	60
5	301	404	164	220	244	283	510	254	227	119	62	59
6	410	267	167	228	245	493	464	250	214	114	66	56
7	525	203	174	202	256	513	430	238	210	109	64	55
8	349	176	171	192	255	1100	424	229	205	104	59	46
9	238	163	160	262	309	2230	484	224	192	103	53	39
10	190	162	148	400	525	1810	488	221	176	97	50	38
11	166	222	143	364	558	968	430	218	171	92	50	39
12	152	371	142	337	488	772	392	210	163	89	50	39
13	140	426	141	347	392	1320	437	197	157	86	50	36
14	133	350	143	326	338	1330	928	202	154	82	50	35
15	125	270	141	298	305	1030	1200	224	151	79	51	35
16	117	227	139	268	379	670	958	227	148	76	55	32
17	117	200	135	328	531	540	622	261	148	75	62	31
18	115	186	135	993	461	612	496	446	200	81	59	52
19	114	175	128	1510	374	630	444	553	226	83	55	90
20	112	164	126	1390	327	594	424	1670	235	88	58	75
21	112	157	124	867	307	649	406	2980	203	83	59	66
22	111	151	125	551	302	922	379	1860	176	77	51	66
23	110	148	131	456	301	972	357	1140	192	74	45	67
24	111	168	138	445	301	676	338	993	374	80	42	63
25	113	245	171	452	288	574	316	1250	532	77	44	53
26	110	421	179	381	256	564	302	1090	504	75	42	50
27	106	472	156	347	235	532	294	649	440	78	41	48
28	107	389	140	320	228	739	288	461	275	111	40	65
29	104	296	132	297	224	2080	290	384	198	127	37	145
30	127	242	165	275	---	2190	282	338	174	99	37	252
31	169	---	226	296	---	1440	---	306	---	84	56	---
TOTAL	7594	7801	4806	13161	9621	27142	15454	18123	7080	3003	1666	1870
MEAN	245	260	155	425	332	876	515	585	236	96.9	53.7	62.3
MAX	1100	472	226	1510	558	2230	1200	2980	532	160	76	252
MIN	104	148	124	188	224	219	282	197	148	74	37	31
CFSM	1.32	1.41	.84	2.30	1.80	4.74	2.78	3.16	1.28	.52	.29	.34
IN.	1.53	1.57	.97	2.65	1.93	5.46	3.11	3.64	1.42	.60	.33	.38

CAL YR 1979 TOTAL 105940 MEAN 290 MAX 4040 MIN 61 CFSM 1.57 IN 21.30
WTR YR 1980 TOTAL 117321 MEAN 321 MAX 2980 MIN 31 CFSM 1.74 IN 23.59

02209260 ALCOVY RIVER ABOVE STEWART, GA.

LOCATION.--Lat 33°26'58", long 83°49'42", Newton County, Hydrologic Unit 03070103, at bridge on Newton Factory Bridge Road, 2.6 mi (4.2 km) northeast of Stewart.

DRAINAGE AREA.--250 mi2 (650 km2), approximately.

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 11...	1415	7.3	18.0	15.0	--
NOV 07...	1455	6.9	17.5	10.0	9.6
DEC 05...	1315	6.9	15.0	4.0	11.8
JAN 16...	1000	6.8	12.5	6.0	11.7
FEB 14...	1125	6.5	10.0	4.0	12.2
MAR 17...	1500	6.6	20.0	13.0	10.1
APR 08...	1700	6.7	22.0	16.0	9.6
MAY 13...	1030	6.8	28.0	19.0	8.9
JUN 12...	0815	6.9	22.0	20.0	8.0
JUL 15...	1400	7.0	27.0	27.5	7.8
AUG 13...	1145	7.2	34.0	26.5	7.5
SEP 10...	0945	7.3	24.0	24.0	7.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	43	15	8	.7	150	16	10	.23	<.020	<.10	.030	2.0
NOV 07...	44	18	13	1.0	40	38	3	.10	<.020	.60	.020	6.0
DEC 05...	45	11	7	.1	110	14	2	.35	.040	.20	.030	<1.0
JAN 16...	43	15	8	.6	90	12	6	.38	.060	.20	<.020	<1.0
FEB 14...	40	19	7	.6	230	10	4	.38	.060	.10	.040	1.0
MAR 17...	36	25	5	.8	40	9	9	.28	.070	.10	.050	2.0
APR 08...	40	16	0	.7	200	13	10	.24	<.020	.20	.040	6.0
MAY 13...	48	15	34	.4	90	15	6	.39	.020	.30	.020	<1.0
JUN 12...	49	22	8	.6	40	16	10	.42	.060	.20	.050	2.0
JUL 15...	52	24	--	.5	12000	17	7	.38	<.020	--	.030	1.0
AUG 13...	50	15	--	1.5	230	18	5	.30	<.020	--	.030	2.0
SEP 10...	49	11	--	.7	90	18	3	.27	<.020	--	.040	6.5

02210500 OCMULGEE RIVER NEAR JACKSON, GA.

LOCATION.--Lat 33°18'27", long 83°50'18", Butts-Jasper County line, Hydrologic Unit 03070103, on right bank 500 ft (152 m) upstream from bridge on State Highway 16, 0.5 mi (0.8 km) upstream from Yellow Water Creek, 1 mi (1.6 km) downstream from Lloyd Shoals Dam, and 7 mi (11 km) east of Jackson.

DRAINAGE AREA.--1,420 mi^2 (3,680 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1906 to September 1915, August 1939 to September 1960, October 1975 to current year. Water years 1920, 1961-65 (annual maximum only).

GAGE.--Water-stage recorder. Datum of gage is 419.29 ft (127.800 m), National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1913, staff gage, Jan. 1 to Dec. 31, 1913, water-stage recorder, Jan. 1, 1914, to Dec. 31, 1915, staff gage, and August 1939 to September 1960, water-stage recorder, all at present site and datum.

REMARKS.--Records fair. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

AVERAGE DISCHARGE.--35 years (1906-15, 1939-60, 1975-80), 1,747 ft^3/s (49.5 m^3/s), 16.71 in/yr (424 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,600 ft^3/s (1,600 m^3/s) Nov. 28, 1948, gage height, 23.9 ft (7.28 m); minimum daily, 18 ft^3/s (0.51 m^3/s) Nov. 20, 1910.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 26.8 ft (8.17 m) Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 ft^3/s (1,950 m^3/s), by computation of flow over dam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,000 ft^3/s (566 m^3/s) May 21, gage height, 12.71 ft (3.874 m); minimum daily, 553 ft^3/s (15.6 m^3/s) Aug. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5400	1120	1070	1330	1980	1820	7780	637	603	750	701	593
2	5250	2070	1760	1570	1170	1780	4340	1650	1020	1330	703	586
3	3400	1740	1300	1660	1590	1990	4330	1060	1120	913	706	587
4	3310	3430	1050	1730	1260	1870	4940	1490	1150	727	708	592
5	3130	1790	1090	1530	1590	2120	3090	1390	1140	729	711	681
6	3430	1980	1180	1550	1720	3080	3040	647	1150	738	715	601
7	3270	2110	949	1760	1770	3070	3030	620	609	1090	718	621
8	1360	2000	1100	1650	1760	3880	2650	1310	1250	871	719	614
9	1530	2000	646	1420	1860	12200	2670	1960	1180	1310	717	620
10	635	2010	1680	1610	2450	18000	2770	665	590	753	722	615
11	630	2400	1860	2040	2980	9130	2960	636	902	709	724	632
12	586	2200	1900	1780	3080	6060	3300	1810	945	726	711	625
13	583	1000	2040	2460	3050	12600	3560	901	653	722	722	635
14	1240	1530	672	1850	1940	13800	4390	688	1110	728	698	625
15	645	1510	627	1770	2520	7140	5430	1990	643	749	693	631
16	1090	1590	624	1820	2950	4920	5500	1960	1110	727	681	639
17	1690	678	2150	1890	2470	4870	5320	2490	858	719	674	623
18	619	1900	1110	3760	2490	4910	4070	2330	1120	720	671	652
19	613	730	1730	6910	2580	4870	2820	3040	1840	716	655	642
20	600	1120	1160	8950	2540	4820	2790	8270	1270	731	640	643
21	606	1180	613	7600	2530	4210	2500	17100	1210	728	645	640
22	1790	701	622	5820	2280	4340	2360	16700	1200	741	609	638
23	631	682	624	4730	3130	5520	1890	10300	1260	740	620	639
24	618	1330	628	4540	3080	5420	2470	8420	2420	835	601	643
25	610	1940	1100	4310	2550	5100	1950	9850	6110	734	596	642
26	573	3380	1420	3490	2560	4650	1840	9680	6670	719	588	643
27	577	3450	1680	1890	2460	3020	638	8060	3450	717	553	646
28	582	3500	685	2000	1800	4830	2100	4360	1560	760	714	640
29	585	2880	604	1670	1790	17000	2060	3670	1270	697	600	647
30	1810	2070	596	2010	---	19000	1310	1990	1240	702	599	1470
31	1190	---	1720	2310	---	14800	---	596	---	703	593	---
TOTAL	48583	56021	35990	89410	65930	210820	97898	126270	46653	24534	20707	19705
MEAN	1567	1867	1161	2884	2273	6801	3263	4073	1555	791	668	657
MAX	5400	3500	2150	8950	3130	19000	7780	17100	6670	1330	724	1470
MIN	573	678	596	1330	1170	1780	638	596	590	697	553	586
MEAN†	1382	1852	1117	2786	2456	6858	3182	4073	1636	791	492	677
CFSM†	0.97	1.30	0.79	1.96	1.73	4.83	2.24	2.87	1.15	0.56	0.35	0.48
IN.†	1.12	1.45	0.91	2.26	1.87	5.57	2.50	3.31	1.28	0.64	0.40	0.54

CAL YR 1979 TOTAL 757599 MEAN 2076 MAX 30300 MIN 494 MEAN† 2090 CFSM† 1.47 IN.† 19.98
WTR YR 1980 TOTAL 842521 MEAN 2302 MAX 19000 MIN 553 MEAN† 2279 CFSM† 1.60 IN.† 21.85

† ADJUSTED FOR CHANGE IN CONTENTS IN LLOYD SHOALS RESERVOIR.

02210500 OCMULGEE RIVER NEAR JACKSON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 10...	1420	635	7.1	17.0	19.0	--
NOV 06...	1750	2720	6.7	13.5	15.0	8.4
DEC 05...	1230	630	6.5	15.0	12.0	7.2
JAN 16...	1125	2570	7.2	18.0	7.5	9.0
APR 08...	1300	2530	6.3	19.5	16.0	8.2
MAY 13...	1245	772	6.6	28.0	19.0	7.5
JUN 12...	0730	694	6.6	21.0	21.5	4.6
JUL 16...	0830	738	6.6	24.0	25.0	3.4
AUG 13...	1045	727	6.7	30.5	27.5	2.4
SEP 10...	0900	630	7.3	21.5	26.5	1.9

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	67	15	1.5	230	17	6	.49	.110	.080	4.0
NOV 06...	76	17	.6	90	19	10	.52	.220	.080	<1.0
DEC 05...	71	16	.7	30	18	6	.54	.180	.130	<1.0
JAN 16...	73	7	1.7	<60	18	2	.80	.170	.160	<1.0
APR 08...	42	37	.8	90	10	13	.35	.050	.100	8.5
MAY 13...	64	5	.7	<30	17	4	.59	.170	.080	<1.0
JUN 12...	52	24	1.2	<30	13	8	.33	.160	.080	2.5
JUL 16...	60	17	1.1	40	18	2	.32	.100	.060	4.0
AUG 13...	80	11	1.5	<30	23	4	.28	.230	.230	1.5
SEP 10...	90	4	1.5	<30	27	2	.30	.340	.110	1.5

02211459 BIG TOWALIGA CREEK NEAR BARNESVILLE, GA.

LOCATION.--Lat 33°04'20", long 84°22'04", Lamar County, Hydrologic Unit 03070103, on right bank 26 ft (7.9 m) upstream from culvert on county road, 2.1 mi (3.4 km) northwest of Barnesville, and 6.2 mi (10.0 km) upstream from Little Towaliga River.

DRAINAGE AREA.--2.36 mi^2 (6.11 km^2).

PERIOD OF RECORD.--Annual maximum, water years 1969-74, October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 695 ft (212 m), from topographic map. Sept. 23, 1968 to Sept. 30, 1974, crest-stage gage at same site and datum.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--6 years, 3.58 ft^3/s (0.101 m^3/s), 20.60 in/yr (523 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 949 ft^3/s (26.9 m^3/s) Mar. 8, 1980, gage height, 9.42 ft (2.871 m); minimum daily, 0.34 ft^3/s (0.010 m^3/s) Sept. 16, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 180 ft^3/s (5.10 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	1300	*949	26.9	9.42	2.871
Mar. 28	1645	181	5.13	4.95	1.509

Minimum daily, 0.34 ft^3/s (0.010 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	4.0	1.5	2.0	2.6	7.0	6.0	2.1	2.1	1.0	.58	.45
2	2.2	3.0	1.5	1.8	2.5	4.9	5.3	2.4	1.9	.95	.56	.43
3	2.1	2.5	1.5	1.7	2.4	4.7	5.3	2.2	1.8	.90	.54	.42
4	3.0	2.2	1.7	2.0	2.2	4.8	5.7	2.1	1.7	.88	.52	.41
5	2.8	2.0	2.3	1.7	2.2	6.0	5.5	2.0	1.6	.85	.90	.40
6	2.1	1.8	2.0	1.5	2.6	5.0	5.3	2.0	1.5	.83	.70	.45
7	1.9	1.7	1.8	1.4	2.5	6.5	5.5	2.1	1.4	.82	1.2	.42
8	1.8	1.6	1.7	1.5	2.2	140	6.7	2.3	1.4	.80	1.0	.40
9	1.8	1.6	1.6	1.5	8.8	13	5.0	2.6	1.3	1.1	.80	.39
10	1.9	1.7	1.6	1.5	9.9	7.2	4.2	2.3	1.3	1.5	.70	.38
11	1.9	6.0	1.5	1.6	4.4	5.4	3.9	2.1	1.3	1.3	.64	.45
12	1.8	4.0	1.5	1.5	3.4	36	4.1	2.0	1.3	1.0	.60	.38
13	1.8	2.6	1.5	1.5	3.0	24	16	2.0	1.3	.95	.56	.36
14	1.8	2.2	2.3	1.5	2.7	8.5	13	1.9	1.2	.86	.54	.35
15	1.9	1.9	1.9	1.5	2.5	6.1	6.8	1.9	1.2	.80	.52	.35
16	1.9	1.7	1.8	1.5	2.7	5.0	5.5	1.9	1.2	.76	.50	.34
17	1.9	1.7	1.7	6.1	2.5	9.5	4.9	6.0	1.3	2.5	.49	.38
18	1.8	1.6	1.6	13	2.3	12	4.5	3.5	1.5	5.0	.48	.45
19	1.7	1.6	1.6	4.6	2.2	6.4	4.9	2.8	2.0	2.5	.46	.40
20	1.7	1.5	1.6	3.2	3.2	5.6	4.3	16	3.0	1.9	.45	.36
21	1.6	1.5	1.5	2.7	3.6	10	3.9	6.4	2.0	1.5	.45	.50
22	1.6	1.5	1.5	3.9	11	5.6	3.5	4.5	1.4	1.2	.50	.45
23	1.8	2.0	1.8	5.6	6.8	4.8	3.2	6.0	1.2	1.1	1.0	.42
24	1.7	8.0	1.6	3.4	4.0	5.0	2.9	4.5	4.9	1.0	.60	.40
25	1.6	3.5	2.0	3.0	3.7	4.3	2.6	3.5	2.6	.90	.50	.39
26	1.6	2.4	1.7	3.2	4.5	4.0	2.4	3.0	1.5	.85	.45	.38
27	1.5	2.0	1.5	3.3	5.1	4.5	2.3	2.8	1.3	.80	.44	.50
28	1.5	1.8	1.4	2.9	5.1	41	2.2	2.7	1.2	.72	.43	2.0
29	1.5	1.6	1.4	2.7	4.6	13	2.2	4.0	1.1	.68	.43	8.0
30	1.9	1.5	3.0	2.5	---	17	2.1	2.8	1.0	.65	.41	6.0
31	1.9	---	2.5	3.3	---	7.9	---	2.4	---	.60	.50	---
TOTAL	59.0	72.7	54.1	89.1	115.2	434.7	149.7	104.8	49.5	37.20	18.45	27.01
MEAN	1.90	2.42	1.75	2.87	3.97	14.0	4.99	3.38	1.65	1.20	.60	.90
MAX	3.0	8.0	3.0	13	11	140	16	16	4.9	5.0	1.2	8.0
MIN	1.5	1.5	1.4	1.4	2.2	4.0	2.1	1.9	1.0	.60	.41	.34
CFSM	.81	1.03	.74	1.22	1.68	5.93	2.11	1.43	.70	.51	.25	.38
IN.	.93	1.15	.85	1.40	1.82	6.85	2.36	1.65	.78	.59	.29	.43

CAL YR 1979 TOTAL 1083.04 MEAN 2.97 MAX 73 MIN .58 CFSM 1.26 IN 17.06
WTR YR 1980 TOTAL 1211.46 MEAN 3.31 MAX 140 MIN .34 CFSM 1.40 IN 19.09

02212500 OCMULGEE RIVER AT JULIETTE, GA.

LOCATION.--Lat 33°05'50", long 83°47'10", Monroe-Jones County line, Hydrologic Unit 03070103, on left bank 0.9 mi (1.4 km) downstream from Juliette Mills at Juliette, and 2.5 mi (4.0 km) downstream from Towaliga River.

DRAINAGE AREA.--1,960 mi2 (5,080 km2).

PERIOD OF RECORD.--June 1916 to September 1921, July 1974 to current year.

REVISED RECORDS.--WSP 1304: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 340.97 ft (103.928 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

AVERAGE DISCHARGE.--11 years (1916-21, 1974-80), 2,757 ft3/s (78.1 m3/s), 19.10 in/yr (485 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,400 ft3/s (1,910 m3/s), revised, Dec. 11, 1919, gage height, 30.8 ft (9.39 m); minimum daily, 365 ft3/s (10.3 m3/s) Nov. 4, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 32 ft (9.75 m) in May 1886, from floodmarks, discharge, 73,000 ft3/s (2,070 m3/s), revised.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,300 ft3/s (688 m3/s) Mar. 30, gage height, 18.63 ft (5.678 m); minimum daily, 596 ft3/s (16.9 m3/s) Sept. 16.

REVISIONS.--The maximum discharge for the water years 1920 and 1975 have been revised to 67,400 ft3/s (1,910 m3/s) Dec. 11, 1919, gage height, 30.8 ft (9.39 m) and 40,000 ft3/s (1,130m3/s) Apr. 3, 1975, gage height, 23.92 ft (7.291 m) superseding figures published in WSP 1304 and the report for 1975.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5800	957	1560	1500	2760	2270	12600	1400	1220	1360	740	677
2	5360	2130	2090	2000	1880	2240	6270	2010	1230	1080	725	1010
3	3970	2150	1330	1800	1990	2350	5230	1700	1560	1420	723	970
4	3650	3630	1430	1930	1780	2410	6940	2160	1730	1060	710	836
5	3590	2490	1280	1930	1980	2410	5320	2450	1620	912	702	924
6	3780	2220	1800	2040	2270	3700	4360	1370	1550	891	700	748
7	3710	2380	988	1860	2200	3710	4200	1230	1480	1030	699	660
8	1990	2270	1250	2020	2270	8400	3910	1460	1280	1130	695	638
9	2020	2270	1270	1830	2410	16400	3920	2440	1510	1250	719	623
10	1210	2280	1560	1640	4420	19700	3840	1920	1400	1280	703	651
11	853	2680	1920	2370	4560	14400	3980	1200	916	872	697	651
12	829	3580	2230	2040	4050	7820	4100	1960	1260	886	702	648
13	778	1500	1600	2910	3820	18900	4680	1700	1200	871	715	650
14	1290	1880	1200	2190	2760	18800	8190	1460	968	849	763	637
15	1010	1840	900	2100	3150	11400	7660	2040	1320	879	743	603
16	947	1670	700	2110	3440	6270	6820	2620	1060	852	728	596
17	1960	1410	1500	2160	3340	6410	6380	2780	1240	853	732	607
18	1160	1480	2500	6350	3090	7850	5730	3410	1120	856	730	637
19	813	1560	1700	7430	3090	6840	3990	3830	2360	929	717	627
20	814	1300	2000	10100	3090	6180	4010	7050	1460	901	706	625
21	813	1340	1000	8380	3140	6100	3680	17700	1520	872	700	646
22	1490	921	700	6880	2640	5080	3480	20500	1470	858	698	649
23	1360	874	700	5700	4400	6280	2710	14500	1600	860	680	637
24	826	977	700	5260	4070	6450	3370	9940	2320	906	668	637
25	850	2020	800	4930	3480	6090	3320	10400	5630	953	631	653
26	739	3940	1000	4530	3210	5620	2200	10900	7580	817	657	651
27	764	4080	1300	2670	3190	4410	1980	9470	5040	818	659	642
28	750	3930	2000	2700	2360	7380	2230	6190	2020	839	684	675
29	779	3500	1000	2390	2230	20300	2730	4520	1770	779	705	738
30	1630	2470	700	2310	---	23900	2770	3830	1470	757	678	1700
31	2030	---	900	2980	---	20100	---	1290	---	747	670	---
TOTAL	57565	65729	41608	107040	87070	280170	140600	155430	57904	29367	21779	21646
MEAN	1857	2191	1342	3453	3002	9038	4687	5014	1930	947	703	722
MAX	5800	4080	2500	10100	4560	23900	12600	20500	7580	1420	763	1700
MIN	739	874	700	1500	1780	2240	1980	1200	916	747	631	596

CAL YR 1979 TOTAL 1007048 MEAN 2759 MAX 26800 MIN 681 MEAN† 2773 CFSM† 1.41 IN.† 19.21

WTR YR 1980 TOTAL 1065908 MEAN 2912 MAX 23900 MIN 596 MEAN† 2889 CFSM† 1.47 IN.† 20.01

† ADJUSTED FOR CHANGE IN CONTENTS IN LLOYD SHOALS RESERVOIR.

02212600 FALLING CREEK NEAR JULIETTE, GA.
(Hydrologic bench-mark station)

LOCATION.—Lat 33°05'59", long 83°43'25", Jones County, Hydrologic Unit 03070103, on left bank 100 ft (30 m) upstream from highway bridge, 4 mi (6.4 km) upstream from Caney Creek, and 5.1 mi (8.2 km) east of Juliette.
DRAINAGE AREA.—72.2 mi2 (187 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.
GAGE.—Water-stage recorder. Altitude of gage is 370 ft (113 m), from topographic map.
REMARKS.—Records fair.
AVERAGE DISCHARGE.—16 years, 68.4 ft3/s (1.94 m3/s), 12.87 in/yr (327 mm/yr).
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 7,700 ft3/s (218 m3/s) Mar. 2, 1971, gage height, 23.0 ft (7.010 m), from floodmark; minimum, 0.14 ft3/s (0.004 m3/s) Sept. 29, 30, 1972.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,100 ft3/s (31.2 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Jan. 18	2015	1480	41.9	12.36	3.767	Mar. 29	0300	2300	65.1	15.11	4.606
Mar. 8	2115	*2780	78.7	16.37	4.990	Apr. 14	1145	1200	34.0	10.90	3.322
Mar. 13	0630	2520	71.4	15.78	4.810						

Minimum discharge, 2.2 ft3/s (0.062 m3/s) Aug. 12-15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	45	30	43	88	44	183	27	18	10	6.0	7.7
2	16	55	28	36	63	51	114	26	17	9.0	4.6	5.7
3	13	97	26	32	53	46	91	25	16	8.2	3.8	4.8
4	13	56	24	39	48	43	169	27	15	7.9	3.4	6.1
5	30	38	24	65	44	66	117	25	14	9.5	3.1	5.3
6	24	30	33	50	50	116	74	23	13	10	2.8	5.2
7	16	26	48	40	64	75	64	21	13	8.3	2.6	5.4
8	12	24	36	38	54	1330	68	21	12	7.1	2.6	4.8
9	10	22	30	37	86	1190	90	25	11	7.6	2.4	4.5
10	9.3	24	27	35	541	226	65	22	11	11	2.4	4.0
11	9.8	192	26	35	210	134	54	20	10	11	2.4	4.0
12	9.3	285	26	38	110	469	50	19	9.6	9.1	2.3	3.9
13	8.7	96	25	35	77	1940	103	18	9.2	7.2	2.2	3.6
14	8.6	52	27	38	64	548	940	19	9.0	6.0	2.2	3.3
15	8.0	36	27	39	56	190	255	24	8.8	5.6	2.9	3.1
16	7.7	30	25	36	62	135	118	23	8.6	5.2	9.3	2.7
17	7.7	27	24	56	75	150	78	23	8.1	5.2	8.8	3.1
18	8.7	24	22	1120	56	800	65	31	13	5.1	6.7	8.6
19	8.6	22	22	596	48	288	64	28	15	4.7	5.7	8.3
20	8.6	20	22	171	45	163	60	263	14	4.7	5.5	6.0
21	9.0	19	21	96	43	167	52	166	12	4.1	5.6	9.6
22	9.0	19	21	76	72	125	47	63	12	5.7	5.3	15
23	9.0	19	21	266	290	86	42	225	13	15	4.4	11
24	9.0	20	24	147	124	83	38	297	24	19	3.9	8.4
25	8.7	24	42	85	76	84	35	87	43	15	3.7	6.8
26	8.6	215	34	73	58	71	33	52	35	10	3.6	5.9
27	8.0	101	28	96	50	68	34	39	22	9.2	3.3	4.7
28	9.3	54	25	83	46	721	31	31	17	12	3.1	6.5
29	8.6	40	24	63	43	1450	30	26	13	8.8	3.1	29
30	28	33	42	53	---	612	29	22	12	8.4	3.7	104
31	54	---	61	75	---	354	---	20	---	8.6	4.6	---
TOTAL	412.2	1745	895	3692	2696	11825	3193	1738	448.3	268.2	126.0	301.0
MEAN	13.3	58.2	28.9	119	93.0	381	106	56.1	14.9	8.65	4.06	10.0
MAX	54	285	61	1120	541	1940	940	297	43	19	9.3	104
MIN	7.7	19	21	32	43	43	29	18	8.1	4.1	2.2	2.7
CFSM	.18	.81	.40	1.65	1.29	5.28	1.47	.78	.21	.12	.06	.14
IN.	.21	.90	.46	1.90	1.39	6.09	1.65	.90	.23	.14	.06	.16

CAL YR 1979 TOTAL 25282.8 MEAN 69.3 MAX 2350 MIN 1.8 CFSM .96 IN 13.03
WTR YR 1980 TOTAL 27339.7 MEAN 74.7 MAX 1940 MIN 2.2 CFSM 1.04 IN 14.09

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1967 to current year.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: August 1965 to September 1979.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 31.5°C Aug. 3, 1970; minimum, 0.0°C Jan. 9, 10, 1970, Dec. 26, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 09...	0700	10	124	7.4	14.5	9.0
NOV 06...	0800	32	131	7.2	9.5	10.2
DEC 04...	0800	24	105	7.5	1.5	13.5
JAN 22...	0800	75	80	7.2	10.5	10.1
FEB 26...	0800	60	85	7.1	8.5	10.6
MAR 18...	0800	1040	44	6.7	13.0	9.9
APR 10...	1630	62	88	7.0	18.5	8.7
MAY 06...	0700	23	114	7.1	16.5	8.7
JUN 03...	0800	17	116	7.1	20.5	7.8
JUL 08...	0700	7.3	140	7.8	23.0	7.0
AUG 05...	0730	2.9	150	7.6	22.0	7.8
SEP 07...	0900	5.2	140	7.6	23.0	9.8

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 09...	230	1300	46	--	10	5.0	8.3	1.3	42	1.6	3.7
NOV 06...	180	4300	44	0	9.1	5.1	9.1	2.2	44	6.2	5.4
DEC 04...	170	670	40	0	8.3	4.7	7.8	1.4	44	4.9	4.6
JAN 22...	140	230	28	0	5.8	3.2	5.4	1.0	35	6.3	4.4
FEB 26...	70	150	32	0	7.0	3.6	5.3	.8	34	4.8	3.0
MAR 18...	1100	1400	17	0	3.8	1.9	2.9	.7	22	3.4	1.9
APR 10...	70	K30	34	--	7.4	3.8	4.9	.7	--	2.6	2.5
MAY 06...	250	350	45	0	9.7	5.1	7.3	.9	51	.6	2.9
JUN 03...	230	430	44	0	10	4.7	6.4	1.2	53	2.3	2.5
JUL 08...	200	540	51	0	11	5.6	9.4	1.3	68	1.7	3.0
AUG 05...	260	560	53	0	11	6.1	9.7	1.3	71	.8	3.1
SEP 07...	360	610	56	0	13	5.7	8.6	1.7	67	1.9	3.1

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CYANIDE TOTAL (MG/L AS CN)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
OCT											
09...	.7	20	90	--	2.43	--	--	.00	--	7	.19
NOV											
06...	.8	19	92	84	7.95	.02	.060	--	--	7	.60
DEC											
04...	.4	20	76	79	4.92	.01	.010	--	--	6	.39
JAN											
22...	.3	16	78	64	15.8	.01	.040	--	--	22	4.5
FEB											
26...	.3	15	70	60	11.3	.00	.030	--	--	10	1.6
MAR											
18...	.2	10	52	38	146	.02	.110	--	--	138	388
APR											
10...	.3	15	55	--	9.21	.01	.020	.00	--	14	2.3
MAY											
06...	.4	20	85	78	5.28	.03	.090	--	--	8	.50
JUN											
03...	.4	20	80	79	3.67	.07	.020	--	.0	12	.55
JUL											
08...	.8	23	95	97	1.87	.06	.020	--	--	10	.20
AUG											
05...	.6	24	97	100	.76	.21	.080	--	--	3	.02
SEP											
07...	.7	26	111	101	1.56	.07	.020	--	--	5	.07

DATE	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
OCT												
09...	1	<50	5	10	2	700	<50	110	<.5	0	0	10
APR												
10...	0	<50	0	20	2	1400	2	100	.1	0	0	10

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
JUN										
03...	<1.1	<.7	<.4	<.3	1.8	<.4	1.7	<.4	.45	.09

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
JUN 03...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUN 03...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00

DATE	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 03...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0

02212950 OCMULGEE RIVER ABOVE MACON, GA.

LOCATION.—Lat 32°52'11", long 83°39'15", Bibb County, Hydrologic Unit 03070103, at Macon water works intake, 1.2 mi (1.9 km) north of Macon city limits, and at mile 201 (323 km).

DRAINAGE AREA.—2,240 mi2 (5,800 km2), approximately.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 16...	1300	850	7.2	24.0	18.5	8.9
NOV 13...	1410	2610	7.2	20.0	16.0	9.3
DEC 11...	1300	2200	7.1	21.0	9.5	11.5
JAN 15...	1230	2640	7.3	14.5	7.5	11.7
MAR 24...	1230	7140	6.8	16.0	12.5	10.5
APR 29...	1150	3440	6.8	21.5	17.5	9.0
MAY 28...	1320	7520	6.7	30.0	22.0	8.3
JUN 17...	1100	1840	7.0	32.5	27.5	7.5
JUL 23...	1015	855	7.3	34.0	29.0	6.8
AUG 14...	0940	765	7.3	31.0	30.0	6.8
SEP 17...	1030	510	7.3	32.5	28.5	6.9

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 16...	68	9	.7	4300	40	18	<1	.50	<.020	<.020	2.0
NOV 13...	77	23	.6	4300	750	21	19	.48	.020	.080	<1.0
DEC 11...	76	15	.3	150	<30	18	4	.64	.290	.080	<1.0
JAN 15...	75	8	1.4	930	<30	20	7	.70	.600	.100	<1.0
MAR 24...	45	50	1.0	2300	40	12	24	.43	.020	.110	2.0
APR 29...	54	16	.5	1500	30	13	17	.43	.020	.100	2.4
MAY 28...	44	98	1.2	23000	430	12	38	.33	.070	.110	5.0
JUN 17...	57	13	.4	43000	90	15	11	.40	<.020	.050	16
JUL 23...	73	10	.5	2300	90	20	1	.26	<.020	.040	2.0
AUG 14...	83	11	1.1	93000	7500	23	7	.37	.020	.060	2.4
SEP 17...	97	2	.5	160	<30	25	4	.49	.100	.050	2.0

02213000 OCMULGEE RIVER AT MACON, GA.

LOCATION.--Lat 32°50'19", long 83°37'14", Bibb County, Hydrologic Unit 03070103, at downstream end of center pier of Fifth Street Bridge in Macon, 1.5 mi (2.4 km) upstream from Walnut Creek, and at mile 198.0 (318.6 km).

DRAINAGE AREA.--2,240 mi^2 (5,800 km^2), approximately.

PERIOD OF RECORD.--January 1893 to December 1911, January 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage height records collected at same site since 1895 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

GAGE.--Water-stage recorder. Datum of gage is 269.80 ft (82.235 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 9, 1905, nonrecording gage at sites within 1.5 mi (2.4 km) downstream at about same datum. Oct. 9, 1905, to Dec. 31, 1913, nonrecording gage at present site and datum. Jan. 10, 1929, to June 25, 1934, water-stage recorder at site 500 ft (152 m) downstream at same datum. June 25, 1934, to June 25, 1973, water-stage recorder at present site and datum, and June 26, 1973, to Oct. 13, 1974, nonrecording gage at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Aug. 1-13, which are fair. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.) Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--70 years (1893-1911, 1928-80), 2,745 ft^3/s (77.7 m^3/s), 16.64 in/yr (423 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,500 ft^3/s (2,360 m^3/s) Nov. 29, 1948, gage height, 28.0 ft (8.53 m); maximum gage height, 29.45 ft (8.976 m), from floodmark, Mar. 4, 1971; minimum daily discharge, 128 ft^3/s (3.62 m^3/s) Oct. 24, 1954; minimum gage height observed, -1.0 ft (-0.30 m) Oct. 5, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 19, 1925, reached a stage of 26.0 ft (7.92 m), from floodmarks at Central of Georgia Railroad bridge, 500 ft (152 m) downstream, discharge 72,500 ft^3/s (2,050 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 14,000 ft^3/s (396 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 9	0200	27100	767	21.92	6.681	Mar. 30	2000	*28100	796	22.17	6.757
Mar. 13	1500	25700	728	21.58	6.578	May 22	1700	21000	603	20.51	6.251

Minimum daily discharge, 545 ft^3/s (15.4 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5180	1540	2450	2190	3280	2440	15100	2060	1320	1530	780	704
2	5000	1380	1530	1780	2920	2490	7460	1510	1250	1040	760	835
3	4380	2550	2100	1970	2030	2460	6000	2280	1600	1510	750	960
4	3510	2700	1630	2100	2350	2590	7440	1790	1690	1160	740	882
5	3480	2890	1420	2300	1970	2640	6950	2330	1700	978	720	823
6	3410	2010	1590	2110	2310	3610	5240	1990	1640	955	710	873
7	3480	2170	1760	2050	2510	3950	4860	1310	1640	933	720	698
8	2580	2240	1410	2180	2530	15000	4640	1290	1110	1210	720	651
9	1570	2170	1510	2120	2650	21800	4520	1970	1670	1020	740	612
10	1740	2270	1110	1870	6240	20600	4400	2550	1560	1490	720	629
11	901	2720	1990	2130	5850	17200	4350	1310	999	959	710	634
12	856	4340	2180	2340	4840	10200	4360	1270	1230	895	710	638
13	807	2750	2260	2560	4330	23900	4840	2310	1270	913	710	617
14	796	1830	2360	2520	3620	22200	10100	1510	991	878	744	621
15	1380	2050	1130	2280	3260	14100	8860	1400	1360	863	807	584
16	843	1960	1010	2190	3490	7340	7580	2570	961	877	777	549
17	1250	1840	998	2270	3770	6860	6860	2600	1330	861	765	545
18	1830	1120	2330	7020	3360	9590	6520	3270	1260	853	760	559
19	841	2160	1470	8950	3220	8420	5030	3750	1720	875	752	597
20	808	1140	2010	9810	3280	7200	4540	7400	1920	900	754	574
21	803	1440	1480	9100	3220	7860	4260	15800	1580	889	753	594
22	802	1470	977	7770	2990	6380	3870	20100	1510	855	744	581
23	1890	1040	952	7140	4890	6680	3220	17700	1480	886	725	577
24	852	1020	971	6190	4740	7050	3430	11500	1740	915	705	564
25	815	1730	1030	5530	4110	6750	3550	10100	5030	952	687	576
26	769	3890	1470	5160	3510	6350	2560	10800	7440	884	677	563
27	735	4370	1770	3690	3400	5550	2780	9810	5930	869	692	565
28	742	4140	2000	3230	2860	7990	1660	7190	2900	877	688	582
29	743	3830	1070	3000	2490	22000	2910	5030	1970	866	742	720
30	824	2900	1030	2600	---	27000	3000	4520	1640	837	710	1000
31	2100	---	1180	3100	---	24700	---	2000	---	810	715	---
TOTAL	55717	69660	48178	119250	100020	332900	160890	161020	59441	30340	22687	19907
MEAN	1797	2322	1554	3847	3449	10740	5363	5194	1981	979	732	664
MAX	5180	4370	2450	9810	6240	27000	15100	20100	7440	1530	807	1000
MIN	735	1020	952	1780	1970	2440	1660	1270	961	810	677	545

CAL YR 1979 TOTAL 1091522 MEAN 2990 MAX 30900 MIN 720 MEAN† 3004 CFSM† 1.34 IN.† 18.20
WTR YR 1980 TOTAL 1180010 MEAN 3224 MAX 27000 MIN 545 MEAN† 3201 CFSM† 1.43 IN.† 19.40

† ADJUSTED FOR CHANGE IN CONTENTS IN LLOYD SHOALS RESERVOIR.

02213050 WALNUT CREEK NEAR GRAY, GA.

LOCATION.--Lat 32°58'20", long 83°37'08", Jones County, Hydrologic Unit 03070103, on downstream side of right bank pier of abandoned bridge, 500 ft (152 m) downstream from bridge on State Highway 18, 1.4 mi (2.3 km) upstream from Bonner Creek, and 5.5 mi (8.8 km) southeast of Gray.

DRAINAGE AREA.--29 mi^2 (75 km^2), approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 390 ft (119 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 34.7 ft^3/s (0.98 m^3/s), 16.25 in/yr (413 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft^3/s (439 m^3/s) Dec. 26, 1964, gage height, 23.8 ft (7.25 m), from floodmark, from rating curve extended above 5,000 ft^3/s (142 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 0.48 ft^3/s (0.014 m^3/s) Oct. 4, 5, 6, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Zero flow was observed during June, July, and August 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s (28.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	1600	*7420	210	15.01	4.575
Mar. 13	0015	2400	68.0	7.84	2.390
Mar. 21	0415	1120	31.7	4.36	1.329
Mar. 28	1945	1950	55.2	6.49	1.978
May 20	0830	1350	38.2	4.81	1.466
May 23	1800	1680	47.6	5.52	1.682

Minimum discharge, 0.56 ft^3/s (0.016 m^3/s) Sept. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	9.5	13	16	35	25	75	16	14	6.4	2.7	1.9
2	7.5	13	12	15	29	26	60	16	13	5.9	2.5	1.6
3	6.0	14	11	14	26	23	60	16	12	5.8	2.2	1.6
4	20	8.2	11	27	24	22	184	16	11	5.8	4.0	2.2
5	14	7.0	11	29	23	41	68	15	10	5.6	5.5	1.9
6	10	6.8	29	19	30	37	54	13	9.7	5.3	5.3	1.8
7	8.0	7.0	29	17	30	33	48	13	9.6	5.0	4.7	6.5
8	7.0	6.5	17	17	23	2640	56	14	9.1	5.1	2.7	8.3
9	6.5	6.5	14	17	100	268	56	14	10	5.1	2.3	7.8
10	5.9	27	13	15	297	119	43	13	9.5	5.3	7.2	7.6
11	5.6	110	13	16	79	80	39	12	8.3	4.9	3.3	6.8
12	5.3	54	13	18	53	858	36	11	7.9	4.5	2.6	5.3
13	5.2	23	13	16	41	768	43	11	7.7	4.1	2.4	3.0
14	4.7	15	14	19	35	129	187	16	7.5	3.8	3.1	1.3
15	4.6	13	12	17	31	80	67	20	7.0	3.7	5.9	.84
16	4.8	12	12	16	33	63	50	13	6.5	3.5	4.2	.71
17	5.0	11	11	27	28	102	41	13	5.8	3.5	3.2	.94
18	4.9	11	10	235	23	182	37	14	13	3.2	3.2	3.0
19	4.9	10	10	84	22	77	39	13	8.5	3.0	2.8	6.0
20	5.1	10	11	49	22	63	34	348	7.8	3.0	2.4	2.5
21	5.3	10	11	37	21	378	31	59	7.0	3.1	2.3	2.6
22	5.3	9.8	10	39	112	93	28	40	7.5	3.1	2.2	2.3
23	5.2	10	10	197	110	63	25	446	8.0	5.6	1.9	1.9
24	5.0	10	14	62	55	60	23	152	14	7.3	1.8	2.0
25	4.9	31	21	44	42	51	20	57	35	4.6	1.7	1.8
26	4.9	130	13	47	33	44	20	36	12	4.1	1.6	1.6
27	4.9	33	12	65	30	47	20	28	9.2	4.2	1.4	1.2
28	5.0	22	11	46	27	643	18	20	8.2	6.7	1.4	2.0
29	5.7	17	11	36	25	264	17	18	7.5	4.2	1.5	9.4
30	18	14	28	31	---	363	17	16	7.3	3.5	1.8	40
31	13	---	21	45	---	118	---	14	---	2.9	2.5	---
TOTAL	221.7	661.3	441	1332	1439	7760	1496	1503	303.6	141.8	92.3	136.39
MEAN	7.15	22.0	14.2	43.0	49.6	250	49.9	48.5	10.1	4.57	2.98	4.55
MAX	20	130	29	235	297	2640	187	446	35	7.3	7.2	40
MIN	4.6	6.5	10	14	21	22	17	11	5.8	2.9	1.4	.71
CFSM	.25	.76	.49	1.48	1.71	8.62	1.72	1.67	.35	.16	.10	.16
IN.	.28	.85	.57	1.71	1.85	9.95	1.92	1.93	.39	.18	.12	.17

CAL YR 1979 TOTAL 10999.50 MEAN 30.1 MAX 1740 MIN 1.7 CFSM 1.04 IN 14.11

WTR YR 1980 TOTAL 15528.09 MEAN 42.4 MAX 2640 MIN .71 CFSM 1.46 IN 19.92

02213500 TOBESOFKEE CREEK NEAR MACON, GA.

LOCATION.--Lat 32°48'32", long 83°45'30", Bibb County, Hydrologic Unit 03070103, on right bank at downstream end of pier of bridge on U.S. Highway 80, 8 mi (13 km) west of Macon, and 14 mi (23 km) upstream from mouth.

DRAINAGE AREA.--182 mi^2 (471 km^2).

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORDS.--WSP 1204: 1942.

GAGE.--Water-stage recorder. Datum of gage is 309.98 ft (94.482 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated to some extent since November 1967 by Lake Tobesofkee, about 1 mi (1.6 km) upstream. Records of chemical analyses for the water years 1969-70 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--43 years, 199 ft^3/s (5.64 m^3/s), 14.85 in/yr (377 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,830 ft^3/s (278 m^3/s) Mar. 21, 1944, gage height, 23.2 ft (7.07 m), from rating curve extended above 6,300 ft^3/s (178 m^3/s); minimum, 2.3 ft^3/s (0.065 m^3/s) Oct. 10, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,900 ft^3/s (53.8 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 9	0715	*5480	155	17.69	5.392	Mar. 29	1030	3220	91.2	12.87	3.923
Mar. 13	0100	5290	150	17.42	5.310	Apr. 14	0645	2140	60.6	9.90	3.018
Mar. 21	0815	2100	59.5	9.76	2.975	May 20	0945	3410	96.6	13.34	4.066

Minimum daily discharge, 23 ft^3/s (0.65 m^3/s) Sept. 16, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	35	82	119	252	152	746	136	108	88	41	31
2	117	39	66	98	180	176	560	69	101	74	40	31
3	93	71	64	87	158	132	425	79	97	65	39	29
4	83	96	63	111	169	116	451	97	92	62	38	29
5	84	83	60	149	156	167	463	153	84	60	36	29
6	82	66	81	112	168	234	380	159	80	51	36	28
7	74	58	146	96	171	203	357	146	79	51	34	28
8	70	58	128	90	159	2850	340	163	80	49	34	28
9	62	57	96	99	305	4650	325	160	80	48	33	28
10	54	88	83	91	1140	1450	310	147	75	46	34	28
11	48	353	80	94	556	791	279	137	71	44	34	27
12	41	253	80	106	343	1580	258	134	68	45	33	25
13	39	176	88	93	241	3900	258	133	66	44	32	25
14	42	121	101	95	203	1580	1610	149	63	44	32	25
15	41	109	94	88	203	759	760	417	60	43	38	24
16	37	86	89	86	229	567	492	249	57	43	35	23
17	35	70	91	105	191	459	368	192	57	42	36	24
18	35	63	85	806	138	1260	316	148	61	41	37	24
19	35	60	79	900	120	772	301	172	65	42	37	23
20	35	57	76	364	144	598	342	1830	64	44	38	24
21	35	60	75	252	143	1230	313	1100	69	45	38	24
22	37	57	73	236	241	638	282	541	68	45	37	24
23	38	52	72	719	506	458	265	625	68	47	37	24
24	42	53	70	400	305	367	250	725	83	46	37	24
25	42	73	85	255	244	358	238	474	540	45	37	24
26	39	186	88	272	135	352	228	171	282	43	35	24
27	35	145	80	309	143	347	226	56	178	43	33	25
28	34	119	78	274	149	1380	218	119	113	44	32	26
29	33	105	75	201	146	2710	200	144	95	45	33	27
30	32	95	100	168	---	2180	186	128	90	45	31	26
31	32	---	122	270	---	1270	---	118	---	43	31	---
TOTAL	1630	2944	2650	7145	7238	33686	11747	9071	3094	1517	1098	781
MEAN	52.6	98.1	85.5	230	250	1087	392	293	103	48.9	35.4	26.0
MAX	124	353	146	900	1140	4650	1610	1830	540	88	41	31
MIN	32	35	60	86	120	116	186	56	57	41	31	23
CFSM	.29	.54	.47	1.26	1.37	5.97	2.15	1.61	.57	.27	.20	.14
IN.	.33	.60	.54	1.46	1.48	6.89	2.40	1.85	.63	.31	.22	.16

CAL YR 1979 TOTAL 64366 MEAN 176 MAX 5220 MIN 24 CFSM .97 IN 13.16
WTR YR 1980 TOTAL 82601 MEAN 226 MAX 4650 MIN 23 CFSM 1.24 IN 16.88

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.

LOCATION.--Lat 32°40'17", long 83°36'11", Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 mi (1.3 km) upstream from Echeconnee Creek, 4 mi (6.5 km) northeast of Warner Robins, and 5.7 mi (9.2 km) downstream from Tobesofkee Creek.

DRAINAGE AREA.--2,690 mi^2 (6,970 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to current year, discharge below 3,600 ft^3/s (102 m^3/s), only.

GAGE.--Water-stage recorder. Altitude of gage is 251 ft (76 m), from topographic map.

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.07 ft (4.593 m) Feb. 25, 1979; minimum daily discharge, 423 ft^3/s (12.0 m^3/s) Nov. 6, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.64 ft (4.462 m) Mar. 14; minimum daily discharge, 661 ft^3/s (18.7 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1880	3090	1760	3350	2670	---	3010	2400	1800	851	738
2	---	1330	2200	2030	3390	2600	---	2040	1670	1400	836	731
3	---	1930	2050	1970	2920	2650	---	2130	1590	1600	813	878
4	---	2260	1750	2080	2660	2740	---	2100	1790	1300	800	935
5	---	3050	1580	2190	2470	2820	---	2170	1860	1100	788	880
6	---	2740	1530	2200	2450	3070	---	2420	1780	1150	777	878
7	---	2300	2050	2100	2720	---	---	1760	1730	1000	775	845
8	---	2340	1770	2020	2750	---	---	1500	1600	1050	775	734
9	2790	2270	1680	2030	2820	---	---	1710	1450	1150	776	709
10	2150	2290	1570	1880	2900	---	---	2410	1630	1160	801	696
11	1620	2590	1660	1840	---	---	---	2180	1480	1280	796	708
12	1160	3550	2050	2350	---	---	---	1480	1190	991	791	708
13	1090	---	2290	2310	---	---	---	1880	1340	954	773	711
14	1030	3020	2320	2820	---	---	---	1890	1300	952	760	699
15	1210	2470	1860	2530	---	---	---	1650	1190	921	800	699
16	1250	2250	1250	2330	---	---	---	2100	1350	912	838	671
17	1110	2060	1160	2270	---	---	---	2800	1160	927	843	661
18	1660	1670	1640	2720	---	---	---	2970	1360	916	831	692
19	1390	1620	1790	---	3550	---	---	3330	1400	902	812	729
20	1030	1730	1800	---	3410	---	---	---	2120	940	789	749
21	995	1370	1730	---	3370	---	---	---	1730	960	777	751
22	988	1440	1350	---	3390	---	---	---	1620	941	766	763
23	1350	1260	1130	---	3490	---	---	---	1580	913	753	750
24	1460	1140	1120	---	---	---	---	---	1650	962	736	737
25	1030	1230	1160	---	---	---	---	---	2450	983	730	720
26	1010	2410	1270	---	---	---	---	---	---	1010	704	724
27	926	---	1640	---	---	---	3050	---	---	929	695	712
28	919	---	1950	---	3480	---	2680	---	---	958	698	706
29	916	---	1580	---	2960	---	2610	---	3000	958	701	751
30	934	---	1220	3420	---	---	3050	---	2100	922	751	945
31	1460	---	1270	3210	---	---	---	---	---	872	737	---
TOTAL	---	---	52510	---	---	---	---	---	---	32813	24073	22610
MEAN	---	---	1694	---	---	---	---	---	---	1058	777	754
MAX	---	---	3090	---	---	---	---	---	---	1800	851	945
MIN	---	---	1120	---	---	---	---	---	---	872	695	661

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1970 to current year.
pH: October 1971 to current year.
WATER TEMPERATURES: February 1970 to current year.
DISSOLVED OXYGEN: May 1970 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 212 micromhos Nov. 7, 1978; minimum recorded, 25 micromhos Jan. 7, 1974.
pH: Maximum recorded, 7.8 units Oct. 1, 1971; minimum recorded, 5.2 units Jan. 14, 1972.
WATER TEMPERATURE: Maximum, 34.0°C July 15, 1980; minimum, 1.0°C Jan. 19, 20, 1977.
DISSOLVED OXYGEN: Maximum recorded, 16.5 mg/L Mar. 12, 1970; minimum recorded, 0.0 mg/L June 8, 9, 1971, Sept. 17, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 182 micromhos Sept. 17: minimum, 44 micromhos Mar. 14.
pH: Maximum recorded, 7.4 units Dec. 4-6, Jan. 6-9, 6.5 units May 2, 3.
WATER TEMPERATURE: Maximum, 34.0°C July 15; minimum recorded, 3.5°C Feb. 3.
DISSOLVED OXYGEN: Maximum recorded, 11.4 mg/L Mar. 3; minimum, 0.0 mg/L Sept. 17.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
16...	1410	1150	7.0	20.0	18.5	7.3
NOV						
13...	1515	--	7.0	20.0	16.0	8.1
DEC						
11...	1430	1800	7.1	22.0	11.0	9.2
JAN						
15...	1400	2370	7.2	15.0	8.0	10.4
FEB						
20...	1600	3390	7.0	15.5	8.0	11.1
MAR						
10...	1415	--	6.7	20.0	13.0	8.6
APR						
29...	1330	2730	6.7	19.0	19.0	7.3
MAY						
28...	1430	--	6.8	26.0	22.5	7.1
JUN						
17...	1320	1080	6.9	32.5	28.0	4.7
JUL						
23...	1230	908	6.9	29.0	31.0	4.1
AUG						
14...	0800	755	7.0	25.5	30.5	4.0
SEP						
17...	0845	647	7.2	26.0	28.5	1.8

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT 16...	102	90	14	12	.7	150000
NOV 13...	84	160	36	19	1.4	4300
DEC 11...	109	50	19	15	1.2	93000
JAN 15...	99	35	10	17	2.9	930000
FEB 20...	74	60	29	8	1.7	7500
MAR 10...	52	200	80	21	2.2	9300
APR 29...	70	40	23	7	1.3	15000
MAY 28...	52	200	85	17	1.1	9300
JUN 17...	95	55	22	17	1.7	75000
JUL 23...	120	--	13	15	.7	9300
AUG 14...	118	40	13	13	2.1	430
SEP 17...	185	250	25	--	10	230000

DATE	ALKA- LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 16...	21	6	.58	.230	.20	.030	4.0
NOV 13...	20	32	.45	.040	.90	.150	3.0
DEC 11...	25	10	.62	.250	.50	.210	1.0
JAN 15...	24	11	.70	.150	.75	.250	1.0
FEB 20...	18	11	.54	.140	.60	.130	5.0
MAR 10...	12	44	.22	.030	.40	.130	8.0
APR 29...	19	41	.51	.130	.25	.180	10
MAY 28...	14	33	.38	.070	.50	.130	6.0
JUN 17...	25	152	.59	.470	.80	.230	20
JUL 23...	29	8	.40	.200	.54	.240	5.0
AUG 14...	31	11	.46	.260	.70	.270	4.2
SEP 17...	42	97	.62	1.520	6.9	1.390	32

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	98	95	108	95	---	---	---	---	79	76	88	78
2	99	92	126	111	---	---	---	---	80	74	86	77
3	92	87	115	84	---	---	102	91	85	76	83	78
4	88	86	106	87	118	105	102	92	89	82	85	76
5	90	84	89	76	115	100	104	91	91	84	84	75
6	90	83	106	90	113	103	99	91	---	---	86	74
7	86	81	108	92	105	97	96	92	---	---	82	78
8	87	81	110	92	112	99	104	92	---	---	79	73
9	102	87	107	91	111	104	102	92	---	---	71	53
10	101	89	105	89	111	99	109	95	---	---	56	52
11	119	93	101	86	117	94	110	95	---	---	61	56
12	119	112	91	81	105	88	100	92	74	70	61	57
13	122	115	90	85	99	88	104	92	78	73	58	50
14	126	115	96	87	103	88	100	89	79	78	49	44
15	123	99	97	90	113	93	109	95	---	---	53	47
16	117	98	100	90	124	113	104	91	---	---	56	54
17	125	100	98	94	126	105	103	91	---	---	59	56
18	105	82	107	94	127	86	100	78	---	---	60	57
19	114	91	108	90	100	88	84	73	---	---	58	54
20	123	112	109	92	98	86	75	72	83	78	56	54
21	117	111	119	106	97	89	73	69	84	80	60	56
22	117	113	121	101	111	93	70	67	85	79	61	54
23	116	87	114	102	118	110	71	66	86	76	61	54
24	120	93	115	110	111	106	72	69	79	73	62	60
25	134	120	114	100	106	101	69	66	73	71	64	62
26	132	126	98	77	100	91	68	67	77	73	65	64
27	152	129	94	79	92	88	72	68	78	76	66	64
28	136	116	---	---	95	87	75	72	80	77	69	66
29	116	111	---	---	107	91	78	75	86	78	70	56
30	114	109	---	---	108	100	84	75	---	---	54	46
31	112	85	---	---	---	---	84	73	---	---	53	52
MONTH	152	81	126	76	127	86	110	66	91	70	88	44

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	55	51	83	73	99	80	93	82	122	115	---	---
2	56	53	94	84	102	90	94	87	120	113	---	---
3	59	56	95	75	---	---	101	86	124	118	124	120
4	60	57	93	78	---	---	94	85	122	120	127	121
5	58	56	85	71	---	---	99	93	129	120	135	127
6	59	57	84	74	---	---	107	100	134	124	146	135
7	61	59	94	85	---	---	111	106	134	129	143	137
8	62	61	96	90	---	---	119	103	137	129	148	143
9	63	62	96	79	---	---	105	98	139	132	172	140
10	64	63	82	71	89	78	106	86	144	132	141	131
11	67	64	83	75	92	74	98	84	135	127	138	128
12	69	64	85	83	96	87	109	98	132	125	144	133
13	65	63	87	72	90	82	108	100	134	128	144	139
14	66	63	89	75	88	80	99	95	135	129	144	137
15	64	57	90	85	95	81	108	97	136	128	146	138
16	63	56	93	77	90	77	113	104	135	128	173	144
17	67	63	85	76	107	87	110	101	133	122	182	173
18	68	66	84	74	96	85	108	99	123	120	175	161
19	69	66	85	81	98	89	114	104	127	120	170	154
20	69	67	86	71	87	71	111	106	125	121	151	148
21	68	66	81	70	90	74	113	108	134	120	151	139
22	70	68	72	68	89	78	122	109	135	130	150	136
23	72	70	71	63	89	80	122	114	139	133	154	138
24	78	72	65	63	88	81	121	109	138	135	161	150
25	---	---	66	62	84	66	107	102	136	134	156	150
26	---	---	65	63	82	71	108	102	---	---	157	150
27	---	---	65	62	79	73	113	107	---	---	149	146
28	---	---	64	62	75	73	110	106	---	---	149	145
29	81	67	69	64	81	75	114	106	---	---	149	141
30	82	68	70	67	87	78	114	108	---	---	141	133
31	---	---	80	69	---	---	119	114	---	---	---	---
MONTH	82	51	96	62	107	66	122	82	144	113	182	120
YEAR	182	44										

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.—Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.1	7.1	7.2	7.1	---	---	---	---	7.1	7.0	7.1	7.0
2	7.1	7.0	7.2	7.1	---	---	---	---	7.0	6.9	7.1	7.0
3	7.0	7.0	7.2	7.1	---	---	7.4	7.3	6.9	6.8	7.1	7.0
4	7.0	6.9	7.2	7.2	7.4	7.2	7.4	7.3	---	---	7.2	7.0
5	7.0	7.0	7.2	7.1	7.4	7.3	7.3	7.3	---	---	7.1	7.1
6	7.1	7.0	7.2	7.0	7.4	7.3	7.4	7.3	---	---	7.1	7.0
7	7.1	7.1	7.2	7.1	7.3	7.3	7.4	7.3	---	---	7.1	7.1
8	7.1	7.1	7.2	7.1	7.3	7.2	7.4	7.3	---	---	7.1	7.0
9	7.1	7.0	7.2	7.1	7.2	7.2	7.4	7.1	---	---	7.1	6.8
10	7.1	7.0	7.2	7.1	7.2	7.1	7.2	7.1	---	---	6.9	6.6
11	7.1	7.0	7.2	7.1	7.2	7.0	7.1	7.1	---	---	6.8	6.7
12	7.1	7.0	7.1	7.0	7.2	7.1	7.1	7.1	7.0	6.9	6.8	6.8
13	7.1	7.1	7.0	7.0	7.2	7.1	7.1	7.1	7.1	7.0	6.8	6.7
14	7.1	7.1	7.0	6.9	7.2	7.1	7.1	7.1	7.2	7.1	6.7	6.6
15	7.2	7.1	7.1	7.0	7.2	7.1	7.2	7.0	---	---	6.8	6.7
16	7.2	7.1	7.1	7.1	7.1	7.0	7.2	7.1	---	---	6.8	6.8
17	7.1	7.0	7.1	7.1	7.1	7.0	7.2	7.1	---	---	6.8	6.7
18	7.2	7.1	7.1	7.0	7.3	7.1	7.2	7.1	---	---	6.8	6.7
19	7.2	7.1	7.2	7.0	7.3	7.2	7.1	6.9	---	---	6.8	6.7
20	7.1	7.1	7.2	7.1	7.3	7.2	7.1	6.9	7.1	7.0	6.8	6.7
21	7.2	7.1	7.2	7.1	7.3	7.2	7.1	6.9	7.1	7.0	6.8	6.8
22	7.2	7.2	7.2	7.1	7.2	7.1	7.0	6.9	7.1	7.1	6.8	6.8
23	7.2	7.1	7.2	7.1	7.2	7.1	6.9	6.9	7.1	7.0	6.9	6.7
24	7.2	7.1	7.1	7.1	7.2	7.1	6.9	6.9	7.1	7.0	6.9	6.7
25	7.1	7.1	7.2	7.1	7.2	7.1	6.9	6.9	7.1	7.0	6.9	6.8
26	7.2	7.1	7.2	7.1	7.3	7.1	7.0	6.9	7.1	7.0	6.9	6.8
27	7.2	7.1	7.1	7.1	7.3	7.3	7.0	6.9	7.1	7.0	6.9	6.8
28	7.1	7.1	---	---	7.3	7.3	7.1	6.9	7.2	7.0	6.9	6.8
29	7.1	7.1	---	---	7.3	7.1	7.1	7.0	7.1	7.0	6.9	6.7
30	7.1	7.0	---	---	7.2	7.2	7.1	7.0	---	---	6.9	6.6
31	7.2	7.0	---	---	---	---	7.0	7.0	---	---	6.7	6.6
MONTH	7.2	6.9	7.2	6.9	7.4	7.0	7.4	6.9	7.2	6.8	7.2	6.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.7	6.6	6.7	6.6	6.8	6.7	6.9	6.8	7.0	6.9	---	---
2	6.7	6.7	6.6	6.5	6.8	6.8	6.9	6.9	7.0	7.0	---	---
3	6.8	6.7	6.6	6.5	---	---	6.9	6.9	7.0	7.0	7.1	7.1
4	6.8	6.7	6.6	6.6	---	---	6.9	6.9	7.1	7.0	7.1	7.0
5	6.8	6.7	6.7	6.6	---	---	6.9	6.9	7.0	7.0	7.1	7.0
6	6.9	6.8	6.7	6.6	---	---	6.9	6.9	7.0	7.0	7.1	7.0
7	6.9	6.8	6.7	6.6	---	---	7.0	6.8	7.0	7.0	7.1	7.0
8	6.9	6.9	6.7	6.7	---	---	7.0	6.9	7.0	7.0	7.1	7.0
9	6.9	6.8	6.7	6.6	---	---	6.9	6.9	7.0	7.0	7.1	7.0
10	6.9	6.9	6.8	6.7	6.9	6.7	6.9	6.9	7.0	7.0	7.1	7.1
11	7.0	6.9	6.8	6.7	6.9	6.9	6.9	6.9	7.0	6.9	7.1	7.1
12	6.9	6.9	6.7	6.7	6.9	6.8	6.9	6.9	6.9	6.9	7.1	7.1
13	6.9	6.9	6.8	6.7	6.9	6.8	6.9	6.9	7.0	6.9	7.1	7.0
14	6.9	6.8	6.8	6.7	6.9	6.9	6.9	6.9	7.0	6.9	7.1	7.1
15	6.8	6.8	6.7	6.7	6.9	6.9	6.9	6.9	7.0	6.9	7.1	7.1
16	6.9	6.8	6.8	6.6	7.0	6.9	6.9	6.9	7.0	6.9	7.1	7.1
17	6.9	6.8	6.9	6.8	6.9	6.9	6.9	6.8	6.9	6.8	7.1	7.0
18	6.9	6.8	6.9	6.8	6.9	6.9	6.9	6.8	6.9	6.8	7.0	6.9
19	6.8	6.8	6.9	6.9	6.9	6.8	6.9	6.8	6.9	6.8	6.9	6.9
20	6.9	6.8	6.9	6.7	7.0	6.9	6.9	6.9	6.9	6.8	6.9	6.9
21	6.9	6.8	6.7	6.6	6.9	6.9	7.0	6.9	6.9	6.8	6.9	6.9
22	6.9	6.9	6.6	6.6	7.0	6.9	7.0	6.9	7.0	6.8	7.0	6.9
23	6.9	6.9	6.6	6.5	7.0	7.0	6.9	6.9	7.0	7.0	7.0	6.9
24	6.9	6.8	6.6	6.5	7.0	6.7	6.9	6.8	7.1	7.0	7.0	6.9
25	---	---	6.7	6.7	7.0	6.9	6.9	6.8	7.1	7.1	7.1	6.9
26	---	---	6.7	6.7	6.9	6.8	6.9	6.9	---	---	7.2	7.1
27	---	---	6.7	6.7	6.8	6.8	6.9	6.9	---	---	7.2	7.1
28	---	---	6.8	6.7	6.8	6.8	7.0	6.9	---	---	7.2	7.1
29	6.7	6.7	6.7	6.7	6.9	6.7	6.9	6.9	---	---	7.2	7.1
30	6.7	6.6	6.8	6.7	6.9	6.8	6.9	6.8	---	---	7.2	7.1
31	---	---	6.8	6.7	---	---	6.9	6.8	---	---	---	---
MONTH	7.0	6.6	6.9	6.5	7.0	6.7	7.0	6.8	7.1	6.8	7.2	6.9
YEAR	7.4	6.5										

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.5	23.0	20.0	18.5	---	---	---	---	10.0	7.5	12.5	11.5
2	23.0	23.0	20.5	19.5	---	---	---	---	7.5	5.0	11.0	7.5
3	22.5	21.5	21.0	18.0	---	---	8.5	8.0	6.5	3.5	7.0	5.0
4	21.5	21.0	18.0	16.0	9.0	9.0	9.0	8.5	---	---	7.5	5.0
5	21.0	20.0	16.0	15.5	9.5	8.5	8.5	8.0	---	---	10.0	7.0
6	20.0	20.0	16.0	15.0	11.0	9.0	7.5	6.5	---	---	11.5	9.5
7	20.5	20.0	16.5	15.5	12.0	11.0	7.0	6.0	---	---	11.5	10.5
8	20.0	20.0	16.5	15.0	12.5	11.5	9.0	7.0	---	---	13.0	11.0
9	20.5	19.5	17.0	15.5	11.0	10.0	10.5	9.0	---	---	16.0	13.0
10	21.0	20.0	18.0	16.5	10.0	9.0	10.0	9.5	---	---	14.5	13.0
11	20.0	18.5	18.0	17.0	12.0	9.5	10.0	9.5	---	---	13.5	12.5
12	19.5	18.5	17.0	16.0	13.0	10.5	10.0	9.5	7.0	6.0	13.0	10.5
13	20.5	19.0	16.0	15.5	14.0	12.5	9.5	7.0	7.5	6.5	10.5	9.0
14	19.5	18.0	15.5	14.5	14.5	13.5	8.0	7.0	8.5	7.0	11.0	9.0
15	18.0	17.0	14.5	13.5	13.5	12.5	8.5	7.5	---	---	11.5	10.5
16	18.5	17.0	13.5	13.0	12.5	11.0	10.0	8.5	---	---	12.0	11.0
17	19.5	17.5	13.5	13.0	11.0	9.5	11.0	10.0	---	---	13.0	12.0
18	19.5	18.5	13.5	13.0	9.5	8.0	12.0	11.0	---	---	14.0	13.0
19	20.5	19.0	14.0	13.0	8.5	8.0	13.0	11.5	---	---	13.5	13.0
20	21.5	20.0	14.5	13.5	9.0	8.5	12.0	11.5	8.5	8.0	13.5	13.5
21	22.0	20.5	15.5	14.5	9.0	8.5	12.5	11.0	9.0	8.0	15.0	14.0
22	22.5	21.0	16.0	14.0	9.5	9.0	13.0	11.5	10.5	9.0	14.5	13.5
23	22.5	21.0	17.0	15.0	11.0	9.5	13.0	10.5	12.5	10.5	14.5	13.5
24	20.5	18.5	18.0	17.0	12.0	11.0	10.5	9.0	13.5	12.5	14.0	14.0
25	18.5	18.0	18.5	18.0	12.0	11.0	10.0	9.0	13.5	12.5	14.5	13.0
26	18.0	17.0	18.0	16.0	10.5	9.5	10.5	9.5	12.5	9.5	14.5	14.0
27	17.0	15.5	15.5	14.5	9.5	8.5	11.0	10.0	9.5	8.5	14.5	14.0
28	17.0	15.5	---	---	9.0	8.5	10.5	10.0	10.5	9.0	14.5	14.0
29	18.0	16.0	---	---	9.5	8.5	10.5	10.0	12.5	10.5	13.5	13.0
30	19.5	17.5	---	---	10.0	9.0	11.0	10.0	---	---	15.0	13.0
31	20.0	18.5	---	---	---	---	11.0	10.0	---	---	16.0	15.0
MONTH	23.5	15.5	21.0	13.0	14.5	8.0	13.0	6.0	13.5	3.5	16.0	5.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	16.0	15.0	19.5	18.5	25.5	23.5	29.0	27.5	32.0	30.0	---	---
2	16.0	15.5	20.0	18.5	25.5	24.5	29.0	27.5	32.5	30.5	---	---
3	16.0	15.5	20.0	19.0	---	---	30.0	28.0	32.5	30.5	30.5	29.5
4	18.0	16.0	20.0	18.5	---	---	30.0	28.5	32.0	30.0	30.5	29.5
5	17.0	16.0	21.0	20.0	---	---	30.5	29.5	32.0	30.0	30.5	29.0
6	16.5	15.5	22.0	20.5	---	---	32.0	30.0	33.0	30.5	31.0	29.5
7	16.0	15.5	22.0	21.0	---	---	32.0	30.5	32.5	30.5	30.5	29.5
8	16.5	15.5	22.0	21.0	---	---	32.0	30.5	33.0	30.5	31.0	29.5
9	18.0	16.5	22.0	21.0	---	---	31.5	30.5	33.5	31.0	31.0	29.0
10	18.0	17.0	21.0	20.0	27.0	26.0	31.5	30.5	33.0	31.0	30.0	29.0
11	18.0	17.0	21.5	19.5	26.5	25.5	31.0	29.5	33.0	31.5	30.0	28.0
12	17.5	17.0	23.0	21.0	27.0	25.0	32.5	30.0	33.5	31.0	30.5	28.5
13	17.5	17.0	23.5	22.5	27.0	25.5	33.5	31.5	32.0	31.0	30.0	28.0
14	17.5	17.0	23.0	22.5	26.5	25.5	33.5	32.0	32.5	30.5	29.5	27.5
15	17.0	15.5	22.5	21.5	27.5	25.5	34.0	32.0	32.0	30.5	30.0	28.0
16	16.5	15.5	23.0	22.0	28.0	26.5	33.5	31.0	31.5	30.0	30.0	27.5
17	17.0	16.0	22.0	21.0	29.0	27.0	32.0	31.0	31.0	30.0	29.0	28.5
18	17.5	16.5	21.5	20.5	28.5	27.5	32.5	31.0	30.0	29.5	28.5	27.5
19	17.0	16.5	22.5	21.0	27.5	26.5	32.0	31.0	31.5	29.0	29.0	27.0
20	17.5	16.5	22.5	21.5	26.5	26.0	31.5	30.0	32.5	30.5	29.5	28.0
21	18.0	17.0	22.0	21.0	27.0	26.0	31.5	30.0	32.5	30.5	29.0	27.5
22	19.0	17.5	22.0	21.5	27.0	26.0	31.5	29.5	32.5	30.5	30.0	27.5
23	20.0	18.5	21.5	21.0	27.0	26.0	31.0	29.5	32.0	30.5	30.0	28.5
24	20.5	19.5	21.5	21.0	26.5	26.0	29.5	28.5	31.0	29.5	30.0	28.5
25	---	---	22.0	21.5	26.5	25.0	29.0	28.5	30.0	28.5	30.0	28.5
26	---	---	22.0	21.5	25.0	24.0	30.0	28.0	---	---	30.0	29.0
27	---	---	22.5	22.0	26.0	25.0	30.5	29.0	---	---	29.0	28.0
28	---	---	22.5	22.0	27.0	26.0	30.5	29.0	---	---	27.5	24.5
29	19.5	18.5	23.0	22.5	28.0	26.5	30.5	28.5	---	---	24.5	22.0
30	19.0	17.5	23.5	23.0	28.5	27.5	31.0	29.0	---	---	22.0	21.0
31	---	---	24.0	23.5	---	---	31.5	29.5	---	---	---	---
MONTH	20.5	15.0	24.0	18.5	29.0	23.5	34.0	27.5	33.5	28.5	31.0	21.0
YEAR	34.0	3.5										

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.—Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.1	6.7	8.2	7.3	---	---	---	---	8.8	7.9	9.6	9.0
2	6.8	6.6	7.6	6.4	---	---	---	---	---	---	10.1	9.0
3	7.0	6.8	8.3	6.6	---	---	11.0	10.6	---	---	11.4	10.4
4	7.0	6.8	8.7	7.9	9.9	9.5	10.9	10.4	---	---	11.3	10.6
5	7.3	6.7	9.2	8.8	10.0	9.6	10.7	10.0	---	---	11.1	10.3
6	7.6	7.2	8.8	7.6	9.7	9.2	11.1	10.5	---	---	10.2	9.6
7	7.7	7.6	8.6	7.7	9.3	9.0	11.3	10.9	---	---	10.1	9.9
8	7.8	7.7	8.7	7.8	9.2	8.3	11.1	10.5	---	---	9.8	9.2
9	7.6	6.5	8.6	8.1	9.5	9.0	10.6	10.1	---	---	9.0	7.4
10	7.5	6.6	8.4	7.8	9.8	9.5	10.2	9.7	---	---	8.7	8.0
11	7.0	4.8	8.4	7.8	10.2	9.1	10.1	9.5	---	---	8.8	8.6
12	6.2	5.6	8.4	8.1	10.2	9.3	10.3	9.6	11.3	11.1	9.3	8.6
13	6.5	6.1	8.3	7.9	9.7	9.2	10.5	9.9	11.1	10.9	9.6	9.3
14	6.8	6.4	8.0	7.5	9.4	8.8	10.7	10.5	11.0	10.6	9.5	9.3
15	8.2	6.9	8.9	8.0	9.3	8.4	10.8	10.2	---	---	9.5	9.3
16	8.2	6.7	9.0	8.8	8.7	8.3	10.6	10.1	---	---	9.5	9.4
17	6.6	3.5	8.9	8.4	9.1	8.8	10.5	9.7	---	---	9.4	9.3
18	7.8	5.9	8.7	7.8	10.8	9.1	10.0	9.6	---	---	9.2	8.8
19	7.5	5.9	9.2	7.0	10.7	10.0	9.8	8.7	---	---	9.0	8.8
20	6.2	5.0	9.0	7.6	10.8	10.0	9.6	9.0	11.0	10.8	9.0	8.9
21	6.1	5.8	8.3	7.3	10.6	9.9	9.5	9.0	10.9	10.7	9.0	8.7
22	6.2	5.9	8.4	7.4	10.0	9.0	9.3	9.0	10.7	10.2	8.9	8.5
23	7.1	5.6	8.3	7.2	9.0	8.4	9.4	9.0	10.1	9.7	9.2	8.8
24	7.2	6.3	7.4	6.8	8.7	8.4	9.6	9.1	9.9	9.6	9.1	9.0
25	6.7	6.2	7.6	6.4	8.7	8.3	9.9	9.3	9.8	9.4	9.2	9.0
26	7.2	6.8	8.6	7.4	9.9	8.7	9.9	9.3	10.4	9.7	9.0	8.9
27	7.5	6.5	8.6	8.5	10.4	9.9	9.7	9.1	10.7	10.3	9.2	8.8
28	7.7	7.1	---	---	10.6	10.1	9.7	9.4	10.6	10.4	9.1	8.7
29	7.7	7.2	---	---	10.5	9.7	9.6	9.3	10.3	9.4	9.0	8.8
30	7.4	6.4	---	---	9.6	9.4	9.5	8.9	---	---	8.9	8.3
31	8.4	6.6	---	---	---	---	9.1	7.5	---	---	8.4	8.2
MONTH	8.4	3.5	9.2	6.4	10.8	8.3	11.3	7.5	11.3	7.9	11.4	7.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.6	8.3	8.4	7.9	6.4	5.4	6.0	5.4	3.9	3.4	---	---
2	8.5	8.4	8.0	7.1	6.0	5.5	5.9	5.2	4.3	3.4	---	---
3	8.7	8.4	8.1	7.0	---	---	5.6	4.8	4.2	3.6	4.9	4.4
4	8.5	8.2	8.0	7.4	---	---	5.9	5.1	4.5	4.2	4.9	4.0
5	8.5	8.1	8.0	7.5	---	---	5.2	4.8	4.9	4.1	4.6	3.3
6	8.6	8.4	7.9	7.6	---	---	4.9	4.6	4.6	3.7	3.8	3.3
7	8.7	8.5	7.6	6.8	---	---	4.9	4.7	4.4	3.4	4.3	3.6
8	8.7	8.5	6.9	6.3	---	---	5.0	4.5	4.1	3.6	4.1	3.6
9	8.5	8.3	7.4	5.8	---	---	5.2	4.6	4.5	3.9	4.2	3.5
10	8.4	8.2	8.2	7.3	5.9	5.5	5.6	4.5	4.3	4.0	4.4	3.4
11	8.4	8.2	8.1	7.2	6.2	5.3	5.7	4.7	4.4	3.1	4.9	3.7
12	8.4	8.2	7.2	6.7	5.4	4.5	4.8	4.0	3.9	3.2	4.8	3.0
13	8.4	8.2	7.6	6.5	5.6	5.1	4.4	4.1	4.4	3.4	3.7	2.9
14	8.4	8.0	7.4	6.5	5.7	5.0	4.7	4.4	4.0	2.8	4.3	3.3
15	8.2	7.9	6.8	6.5	5.8	5.2	4.7	4.0	3.7	3.0	4.8	3.9
16	8.4	8.2	7.5	6.2	6.2	5.7	4.6	4.1	3.9	2.9	5.0	2.4
17	8.5	8.3	7.6	7.1	5.7	4.3	4.5	4.0	3.9	3.4	2.2	.0
18	8.4	8.3	7.8	7.3	5.8	4.5	4.3	3.5	4.1	3.6	3.4	.6
19	8.3	8.1	7.7	7.4	5.3	3.9	3.9	3.2	4.9	4.2	4.7	3.3
20	8.3	8.1	7.5	7.2	6.7	5.4	4.8	3.7	5.3	3.7	4.9	3.9
21	8.3	8.1	7.3	6.7	6.6	5.8	5.1	4.7	4.8	3.8	6.1	4.3
22	8.1	8.0	6.8	6.7	6.7	6.2	5.1	4.3	4.9	3.9	6.2	4.7
23	8.0	7.7	6.8	6.7	6.8	6.3	4.8	4.0	4.6	3.8	6.1	4.3
24	7.7	7.1	6.9	6.8	6.6	6.0	4.8	2.2	5.0	4.3	6.0	3.7
25	---	---	6.9	6.8	7.0	6.1	4.9	4.1	5.4	4.7	4.7	2.8
26	---	---	7.0	6.9	7.1	6.7	5.1	4.4	---	---	3.6	2.8
27	---	---	7.0	6.9	6.8	6.7	5.0	4.8	---	---	3.5	2.7
28	---	---	7.4	7.0	6.7	6.4	5.2	4.3	---	---	5.0	3.0
29	8.2	7.4	7.3	7.1	6.3	5.8	4.9	4.2	---	---	6.0	4.9
30	8.5	7.9	7.2	6.9	6.0	5.5	4.6	3.5	---	---	6.7	6.0
31	---	---	7.1	6.4	---	---	4.0	3.4	---	---	---	---
MONTH	8.7	7.1	8.4	5.8	7.1	3.9	6.0	2.2	5.4	2.8	6.7	.0
YEAR	11.4	.0										

02214265 OCMULGEE RIVER NEAR BONAIRE, GA.

LOCATION.—Lat 32°32'33", long 83°32'13", Houston-Twiggs County line, Hydrologic Unit 03070104, at bridge on State Highway 96, 0.4 mi (0.6 km) downstream from Flat Creek and 3.5 mi (5.6 km) east of Bonaire.

PERIOD OF RECORD.—August 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
01...	0650	4060	6.7	18.5	22.5	6.3
NOV						
05...	0800	3810	7.1	4.0	12.0	8.2
DEC						
06...	1700	2240	6.7	11.5	9.5	6.7
JAN						
08...	0900	2810	7.1	13.5	7.5	11.2
APR						
04...	1230	12600	6.6	26.0	18.0	7.6
MAY						
19...	0800	3270	6.7	24.5	21.5	7.4
JUN						
17...	0745	1670	6.9	27.0	26.0	5.8
JUL						
25...	1020	1410	6.7	26.0	28.0	4.8
AUG						
18...	0745	1180	6.9	25.0	28.0	5.3
SEP						
16...	0730	948	7.2	21.0	26.0	5.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
01...	87	80	22	1.0	5800	22	.73	.050	.140	3.0
NOV										
05...	94	50	15	.6	43000	24	.70	.120	.080	<1.0
DEC										
06...	92	50	16	1.0	43000	24	.48	.120	--	<1.0
JAN										
08...	84	35	20	1.7	43000	21	.53	.170	.140	3.5
APR										
04...	47	150	39	.7	430	13	.27	<.020	.090	4.5
MAY										
19...	65	35	22	.8	23000	17	.70	.050	.120	2.3
JUN										
17...	73	40	17	.9	4300	19	.24	.040	.140	2.0
JUL										
25...	100	40	22	1.4	23000	25	.36	.100	.200	4.0
AUG										
18...	104	40	9	.7	--	26	.53	.100	.160	5.0
SEP										
16...	118	80	12	2.0	680	28	.65	.160	.260	6.0

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.

LOCATION.—Lat 31°55'06", long 82°40'26", Telfair-Jeff Davis County line, Hydrologic Unit 03070104, near left bank on downstream end of pier of bridge on U.S. Highway 341 at Lumber City, 500 ft (152 m) downstream from Southern Railway bridge, 1 mi (1.6 km) upstream from Little Ocmulgee River, and 12 mi (19.3 km) upstream from confluence with Oconee River.
DRAINAGE AREA.—5,180 mi^2 (13,400 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.
REVISED RECORDS.—WSP 1504: 1937.
GAGE.—Water-stage recorder. Datum of gage is 87.48 ft (26.664 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 8, 1937, nonrecording gage at same site and datum.
REMARKS.—Records good. Flow regulated by Lloyds Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.)
AVERAGE DISCHARGE.—44 years, 5,662 ft^3/s (160 m^3/s), 14.84 in/yr (377 mm/yr).
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 70,000 ft^3/s (1,980 m^3/s) Dec. 8, 1948; maximum gage height, 22.7 ft (6.92 m) Dec. 9, 1948; minimum discharge, 800 ft^3/s (22.7 m^3/s) Oct. 30 to Nov. 3, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum discharge known since at least 1841, 98,400 ft^3/s (2,790 m^3/s) Jan. 21, 1925, from rating extended above 67,000 ft^3/s (1,900 m^3/s) on basis of records of peak flow for stations on Ocmulgee, Oconee, and Altamaha Rivers; maximum stage known, 26.3 ft (8.02 m) Jan. 21, 1925, backwater from Oconee River.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 15,000 ft^3/s (425 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 21	0800	*42100	1190	18.73	5.709	Apr. 8	1800	34500	977	17.38	5.297

Minimum discharge, 1,400 ft^3/s (39.6 m^3/s) Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4560	1940	3520	3110	10400	5910	21100	8170	13200	3860	1900	1520
2	4800	1940	3840	3090	10700	5940	20700	7290	14500	4070	1880	1510
3	4800	1950	4060	2930	10500	5970	19900	6670	14300	4260	1850	1530
4	4760	2130	4230	2870	10100	5980	20200	6170	13200	4450	1790	1540
5	4760	2430	4360	3000	9250	5930	22100	5750	11900	4520	1740	1530
6	4750	2480	4510	3180	8240	5770	26600	5450	10500	3940	1710	1520
7	4720	2610	4490	3280	7150	5510	31600	5130	8880	3140	1670	1560
8	4720	2830	4130	3370	6360	5320	34000	4920	6390	2870	1640	1630
9	4760	3010	3750	3520	5830	5470	33500	4800	4230	2670	1660	1640
10	4820	3150	3660	3660	5610	5900	30100	4710	3550	2460	1610	1620
11	4870	3240	3780	3710	5640	6430	25600	4520	3320	2320	1600	1610
12	4880	3330	3820	3690	5640	7010	21500	4150	3150	2270	1600	1550
13	4810	3570	3660	3660	5520	8990	18600	3940	3000	2290	1580	1490
14	4640	3790	3420	3600	5450	12200	16400	3980	2950	2300	1580	1460
15	4070	4070	3320	3510	5480	15100	14600	3990	2850	2360	1600	1450
16	3180	4350	3450	3500	5600	16700	13000	3720	2670	2220	1630	1440
17	2700	4520	3680	3560	5840	18500	11800	3570	2610	2100	1670	1450
18	2450	4600	3780	3660	6280	25000	10900	3580	2560	2030	1710	1460
19	2400	4600	3680	3750	6750	34900	10400	3480	2560	1980	1700	1430
20	2400	4450	3320	3760	7180	40500	10300	3570	2600	1940	1780	1420
21	2350	4050	3060	3750	7500	41800	10400	3780	2530	1930	1870	1400
22	2490	3510	3050	3820	7590	40500	11000	3990	2630	1910	1910	1420
23	2510	3180	3130	4070	7350	37200	12100	4150	2700	1890	1930	1450
24	2300	3050	3150	4460	6880	32200	13200	4450	2940	1890	1850	1490
25	2160	2890	3140	4830	6420	27400	13500	4790	3070	1900	1780	1540
26	2100	2790	3000	5250	6060	23600	13200	5060	3070	1910	1750	1510
27	2210	2680	2840	6070	5880	20900	12600	5410	3030	1930	1690	1500
28	2330	2590	2760	6970	5860	19400	11600	6060	3050	1960	1630	1510
29	2200	2770	2760	8010	5880	18500	10400	7130	3260	1990	1590	1480
30	2080	3160	2830	9000	---	19200	9210	8840	3580	2000	1570	1490
31	2000	---	2970	9810	---	20700	---	11000	---	1950	1550	---
TOTAL	108580	95660	109150	134450	202940	544430	530110	162220	158780	79310	53020	45150
MEAN	3503	3189	3521	4337	6998	17560	17670	5233	5293	2558	1710	1505
MAX	4880	4600	4510	9810	10700	41800	34000	11000	14500	4520	1930	1640
MIN	2000	1940	2760	2870	5450	5320	9210	3480	2530	1890	1550	1400
CFSM	.68	.62	.68	.84	1.35	3.39	3.41	1.01	1.02	.49	.33	.29
IN.	.78	.69	.78	.97	1.46	3.91	3.81	1.16	1.14	.57	.38	.32

CAL YR 1979 TOTAL 2117050 MEAN 5800 MAX 42100 MIN 1660 CFSM 1.12 IN 15.20
WTR YR 1980 TOTAL 2223800 MEAN 6076 MAX 41800 MIN 1400 CFSM 1.17 IN 15.97

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 01...	1300	4610	7.3	31.0	24.0	7.1
NOV 05...	1415	2460	7.0	22.5	18.0	8.5
DEC 03...	1415	4090	7.2	9.5	9.0	8.8
JAN 08...	1520	3390	7.4	15.0	11.0	10.0
FEB 19...	1120	6790	6.9	13.0	9.0	9.4
MAR 04...	1025	5980	7.2	10.0	7.0	9.9
APR 03...	1145	19900	6.2	25.0	18.0	7.8
MAY 19...	1410	3460	7.0	33.0	28.0	7.0
JUN 17...	1400	2610	7.3	36.5	30.5	6.9
JUL 22...	1540	1910	7.6	30.5	31.0	7.8
AUG 18...	1415	1710	7.5	34.0	31.0	7.0
SEP 16...	1300	1440	7.8	34.0	28.5	7.4

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)
OCT 01...	90	100	24	--	.7	90
NOV 05...	116	50	9	--	1.3	40
DEC 03...	92	30	21	--	2.1	2300
JAN 08...	95	40	19	--	1.7	2100
FEB 19...	70	80	31	--	1.0	1500
MAR 04...	82	55	20	--	1.3	430
APR 03...	51	100	18	--	1.9	70
MAY 19...	94	40	40	--	.9	40
JUN 17...	104	40	17	--	.6	150
JUL 22...	130	30	15	5	.3	<30
AUG 18...	134	30	12	7	.6	90
SEP 16...	138	30	5	8	.5	<30

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
01...	28	34	.40	<.020	--	.100	8.0
NOV							
05...	36	5	.47	.030	--	.060	<1.0
DEC							
03...	25	17	.39	.030	--	.100	1.5
JAN							
08...	30	14	.24	<.020	--	.080	2.5
FEB							
19...	19	14	.24	<.020	--	.040	6.0
MAR							
04...	24	9	.27	<.020	--	.060	3.0
APR							
03...	12	22	.04	.020	--	.060	14
MAY							
19...	32	69	.62	.020	--	.100	9.5
JUN							
17...	39	16	.49	<.020	--	.050	<1.0
JUL							
22...	43	5	.50	<.020	.20	.080	2.0
AUG							
18...	45	3	.46	<.020	.30	.110	3.0
SEP							
16...	49	6	.44	.040	1.2	.090	1.7

02216100 ALLIGATOR CREEK NEAR ALAMO, GA.

LOCATION.--Lat 32°01'35", long 82°41'44", Wheeler County, Hydrologic Unit 03070105, at bridge on State Route 134, 1.7 mi (2.7 km) west of Jordan, 6.5 mi (10.5 km) upstream of Little Ocmulgee River, and 9.5 mi (15.3 km) southeast of Alamo.

DRAINAGE AREA.--255 mi^2 (660 km^2).

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 01...	1230	83	5.7	30.0	23.5	7.2
NOV 05...	1345	4.8	6.4	22.5	17.5	8.9
DEC 03...	1340	18	5.9	9.0	7.0	10.8
JAN 08...	1500	52	5.9	14.5	8.0	10.2
APR 03...	1330	1220	5.3	28.0	18.5	7.4
MAY 19...	1345	31	5.7	33.5	25.0	7.1
JUN 17...	1330	4.7	6.2	36.5	28.0	7.5
JUL 22...	1440	3.0	6.5	31.5	30.0	9.2
AUG 18...	1345	2.0	6.5	34.0	30.0	7.8
SEP 16...	1300	1.6	6.5	36.0	29.0	8.0

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 01...	43	100	10	1.2	150	--	<.02	.020	.040	14
NOV 05...	33	50	5	.6	40	7	<.02	<.020	.030	4.0
DEC 03...	40	40	8	1.4	<30	4	.02	.030	.020	5.0
JAN 08...	39	45	13	.6	110	2	.06	.020	<.020	6.5
APR 03...	29	100	5	.8	230	4	<.02	<.020	.020	15
MAY 19...	35	120	12	1.2	40	5	.10	.080	.040	10
JUN 17...	32	45	7	.8	40	7	<.02	<.020	<.020	2.5
JUL 22...	32	30	10	.8	<30	7	<.02	<.020	.020	4.0
AUG 18...	42	30	5	2.9	40	7	<.02	<.020	<.020	3.0
SEP 16...	42	30	3	2.3	90	7	<.02	.020	<.020	1.0

02216610 TILLMAN MILL CREEK NEAR LUMBER CITY, GA.

LOCATION.--Lat 31°58'53", long 82°38'32", Wheeler County, Hydrologic Unit 03070104, on right bank 18 ft (5.5 m) upstream from culvert on State Highway 19, 4.3 mi (6.9 km) northeast of Lumber City, and 4.7 mi (7.6 km) upstream from mouth.

DRAINAGE AREA.--2.71 mi^2 (7.02 km^2).

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year. Records for the 1975 water year are unreliable and should not be used. Prior to October 1975, published as Ocmulgee River Tributary near Lumber City.

GAGE.--Water-stage recorder. Altitude of gage is 168 ft (51 m), from topographic map. August 27, 1965, to September 30, 1974, crest-stage gage at same site and at datum 2.00 ft (0.610 m) lower.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--5 years (1976-80), 2.37 ft^3/s (0.067 m^3/s), 11.88 in/yr (302 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft^3/s (30.3 m^3/s) May 23, 1973, gage height, 9.59 ft (2.923 m), present datum, from floodmarks; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 93 ft^3/s (2.63 m^3/s) Mar. 30, gage height, 4.09 ft (1.247 m), no peaks above base of 140 ft^3/s (3.96 m^3/s); minimum, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.22	.00	.05	.21	.80	.71	4.2	.51	.00	.00	.00	.00
2	.12	.00	.05	.17	.45	.75	3.6	.39	.00	.00	.00	.00
3	.03	.00	.05	.16	.38	.75	3.9	.38	.00	.00	.00	.00
4	.00	.00	.05	.36	.38	.72	11	.86	.00	.00	.00	.00
5	.00	.00	.05	.58	.35	1.1	4.6	.47	.00	.00	.00	.00
6	.00	.00	2.7	.32	.50	2.5	2.8	.38	.00	.00	.00	.00
7	.00	.00	1.6	.24	.49	.84	3.2	.20	.00	.00	.00	.00
8	.00	.00	.27	.26	.40	4.0	4.6	.78	.00	.00	.00	.00
9	.00	.00	.14	.50	.63	2.3	4.4	.55	.00	.00	.00	.00
10	.00	.00	.10	.36	8.5	4.0	2.3	.35	.00	.00	.00	.00
11	.00	1.0	.09	.29	1.9	1.8	1.6	.19	.00	.00	.00	.00
12	.00	.25	.09	.29	1.1	7.5	2.0	.11	.00	.00	.00	.00
13	.00	.13	.10	.26	.85	32	2.4	.06	.00	.00	.00	.00
14	.00	.10	.11	.25	.79	4.2	5.9	.03	.00	.00	.00	.00
15	.00	.08	.69	.25	.75	2.7	2.5	.00	.00	.00	.00	.00
16	.00	.07	1.3	.24	2.0	2.4	1.9	.01	.00	.00	.00	.00
17	.00	.07	.34	.22	1.7	4.5	1.6	.15	.00	.00	.00	.00
18	.00	.06	.18	.57	.89	21	1.4	.21	.00	.00	.00	.00
19	.00	.06	.14	.42	.75	4.0	16	.05	.00	.00	.00	.00
20	.00	.05	.12	.28	.72	5.0	5.3	.32	.00	.00	.00	.00
21	.00	.05	.11	.23	.78	8.7	2.7	.18	.00	.00	.00	.00
22	.00	.05	.11	.22	.79	3.3	1.9	.28	.00	.00	.00	.00
23	.00	.05	.13	2.7	.73	2.5	1.3	.81	.00	.00	.00	.00
24	.00	.05	.19	.70	.72	2.8	.97	2.4	1.6	.00	.00	.00
25	.00	.05	.54	.33	.70	3.4	.81	.37	5.4	.00	.00	.00
26	.00	.05	.30	4.5	.60	2.4	3.0	.08	.57	.00	.00	.00
27	.00	.05	.20	3.3	.60	2.6	4.4	.03	.11	.00	.00	.00
28	.00	.05	.17	.83	.67	6.5	1.9	.00	.02	.00	.00	.00
29	.00	.05	.15	.48	.67	4.8	1.3	.00	.00	.00	.00	.00
30	.00	.05	.19	.39	---	43	.81	.00	.00	.00	.00	.00
31	.00	---	.27	1.1	---	7.1	---	.00	---	.00	.00	---
TOTAL	.37	2.37	10.58	21.01	30.59	189.87	104.29	10.15	7.70	.00	.00	.00
MEAN	.012	.079	.34	.68	1.05	6.12	3.48	.33	.26	.000	.000	.000
MAX	.22	1.0	2.7	4.5	8.5	43	16	2.4	5.4	.00	.00	.00
MIN	.00	.00	.05	.16	.35	.71	.81	.00	.00	.00	.00	.00
CFSM	.004	.03	.13	.25	.39	2.26	1.28	.12	.10	.000	.000	.000
IN.	.01	.03	.15	.29	.42	2.61	1.43	.14	.11	.00	.00	.00

CAL YR 1979 TOTAL 714.27 MEAN 1.96 MAX 65 MIN .00 CFSM .72 IN 9.80
WTR YR 1980 TOTAL 376.93 MEAN 1.03 MAX 43 MIN .00 CFSM .38 IN 5.17

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.

LOCATION.—Lat 33°56'48", long 83°25'22", Clarke County, Hydrologic Unit 03070101, on left bank 0.5 mi (0.8 km) upstream from U.S. Highway 29, 2 mi (3.2 km) west of Athens, and 5 mi (8.0 km) upstream from Barber Creek.

DRAINAGE AREA.—398 mi^2 (1,030 km^2).

PERIOD OF RECORD.—October 1901 to October 1902, January 1929 to March 1932, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.—Water-stage recorder. Datum of gage is 555.66 ft (169.365 m) National Geodetic Vertical Datum of 1929. Oct. 11, 1901, to Oct. 25, 1902, nonrecording gage at site 1 mi (1.6 km) upstream at different datum. Jan. 16, 1929, to Mar. 15, 1932, and Apr. 29, 1937, to Sept. 30, 1940, water-stage recorder at site 4 mi (6.4 km) downstream at different datum.

REMARKS.—Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—46 years, 532 ft^3/s (15.1 m^3/s), 18.15 in/yr (461 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge observed, 19,600 ft^3/s (555 m^3/s) Feb. 28, 1902, gage height, 25.5 ft (7.772 m), site and datum then in use; minimum daily, 26 ft^3/s (0.74 m^3/s) Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 3,800 ft^3/s (108 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 19	2130	4350	123	10.75	3.277	Mar. 30	0330	*7070	200	14.59	4.447
Mar. 9	2400	5380	152	12.40	3.780	May 20	1930	6830	193	14.29	4.356
Mar. 22	1800	4550	129	11.08	3.378	May 25	1130	4190	119	10.48	3.194

Minimum discharge, 130 ft^3/s (3.68 m^3/s) Sept. 17, gage height, 1.16 ft (0.354 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	909	395	516	439	834	520	1760	632	648	535	258	205
2	569	1490	492	425	677	545	1430	616	617	491	243	191
3	428	2000	469	403	631	531	1270	602	584	463	231	205
4	394	1040	456	410	604	520	1160	592	558	443	224	211
5	910	618	452	522	579	744	1060	582	532	420	226	186
6	802	513	453	462	583	1390	980	573	516	399	226	188
7	520	469	459	426	599	984	934	555	513	381	211	181
8	439	443	436	458	573	2690	959	546	499	368	203	181
9	394	426	416	657	641	4450	983	545	473	354	195	163
10	368	472	406	832	1160	3780	879	537	454	345	187	153
11	352	982	404	659	1120	1420	819	515	438	334	185	154
12	337	1010	402	907	840	1440	842	503	423	328	215	164
13	324	730	400	783	729	2500	1260	493	413	312	210	157
14	308	603	408	708	672	3070	3210	497	404	300	208	150
15	296	537	398	657	643	1520	2620	508	395	296	203	144
16	296	497	382	588	700	1150	1340	501	378	295	216	138
17	289	468	375	1040	759	1040	1100	605	388	292	204	144
18	286	447	365	3530	661	1700	1000	1270	459	285	193	259
19	283	430	362	4060	627	1780	947	1200	487	288	196	273
20	282	416	364	2820	612	1250	897	3790	443	270	293	226
21	280	406	361	1240	615	2410	852	3830	406	264	233	223
22	280	398	360	976	608	3960	815	3040	384	255	206	206
23	284	394	354	1270	623	2410	773	1440	399	247	185	205
24	300	419	364	1240	598	1500	738	2270	1040	304	173	192
25	278	735	441	957	572	1980	709	3740	2470	341	173	180
26	265	1330	414	856	548	1600	689	1620	3270	288	180	181
27	260	1270	375	771	527	1230	718	1110	1670	305	166	179
28	262	760	362	718	523	2390	680	923	819	409	159	202
29	264	627	352	664	519	5270	661	813	655	425	158	545
30	455	555	393	628	---	5820	653	739	588	311	155	889
31	545	---	519	736	---	2680	---	686	---	278	180	---
TOTAL	12259	20878	12710	30842	19377	64274	32738	35873	21323	10626	6295	6675
MEAN	395	696	410	995	668	2073	1091	1157	711	343	203	223
MAX	910	2000	519	4060	1160	5820	3210	3830	3270	535	293	889
MIN	260	394	352	403	519	520	653	493	378	247	155	138
CFSM	.99	1.75	1.03	2.50	1.68	5.21	2.74	2.91	1.79	.86	.51	.56
IN.	1.15	1.95	1.19	2.88	1.81	6.01	3.06	3.35	1.99	.99	.59	.62

CAL YR 1979 TOTAL 239171 MEAN 655 MAX 9640 MIN 187 CFSM 1.65 IN 22.35
WTR YR 1980 TOTAL 273870 MEAN 748 MAX 5820 MIN 138 CFSM 1.88 IN 25.60

02217740 NORTH OCONEE RIVER ABOVE ATHENS, GA.

LOCATION.—Lat 33°58'28", long 83°22'56", Clarke County, Hydrologic Unit 03070101, at city of Athens water works intake, 0.3 mi (0.5 km) north of Athens city limit.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 09...	1545	230	7.4	24.0	17.0	--
NOV 06...	0900	530	6.7	10.5	9.0	8.4
DEC 04...	0815	340	6.6	-3.0	3.0	12.3
JAN 17...	1005	620	6.8	11.0	9.0	11.3
APR 09...	1215	660	7.0	20.5	16.5	8.5
MAY 14...	1245	330	6.6	24.0	19.5	8.2
JUN 11...	0830	275	7.1	25.5	20.5	7.4
JUL 17...	0830	315	6.5	23.5	24.0	6.0
AUG 12...	1245	150	7.3	35.0	25.5	7.5
SEP 11...	0930	105	7.0	24.0	21.5	7.5

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	61	18	.5	3900	1500	23	.34	.070	<.020	1.0
NOV 06...	55	23	1.0	2300	430	18	.22	.030	.020	2.0
DEC 04...	54	15	1.1	2300	30	19	.35	.020	.090	<1.0
JAN 17...	48	29	1.5	9300	2300	16	.36	.050	.030	1.0
APR 09...	51	21	1.4	43000	4300	17	.31	.030	.020	1.0
MAY 14...	50	18	.7	4300	230	20	.36	.020	.020	1.8
JUN 11...	55	26	.8	4300	430	20	.38	.050	.050	1.0
JUL 17...	58	31	.8	--	--	23	.24	.260	.050	5.0
AUG 12...	35	24	.3	23000	4300	24	.34	.040	.030	--
SEP 11...	60	16	.7	15000	7500	25	.27	.040	.040	4.0

02218000 OCONEE RIVER NEAR WATKINSVILLE, GA.

LOCATION.—Lat 33°51'21", long 83°19'35", Oconee-Clarke County line, Hydrologic Unit 03070101, at bridge on Barnett Shoals Road, 1 mi (1.6 km) upstream from Barnett Shoals Dam and 4 mi (6.4 km) east of Watkinsville.
DRAINAGE AREA.—783 mi2 (2,030 km2).
PERIOD OF RECORD.—July 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for water years 1901-2 are published in records of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 09...	1445	510	7.3	24.0	17.0	--
NOV 06...	0955	1080	6.8	17.5	10.0	10.0
DEC 04...	0920	820	6.7	-1.0	3.0	11.3
JAN 17...	0900	1180	7.2	19.0	9.0	11.0
FEB 18...	0850	1160	7.0	2.0	5.0	11.3
MAR 03...	1015	900	7.0	.0	3.0	11.3
APR 09...	1300	1940	6.9	24.0	16.5	9.0
MAY 14...	1200	850	6.6	24.0	19.5	8.0
JUN 11...	0930	660	6.9	26.0	20.5	8.0
JUL 16...	1615	560	7.1	31.0	29.5	6.8
AUG 12...	1315	370	7.1	35.0	27.5	7.3
SEP 11...	0845	405	6.7	22.0	22.0	7.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	66	20	--	.8	230	19	20	.79	.080	--	.110	1.0
NOV 06...	59	30	--	1.4	3100	16	35	.48	.070	--	.050	2.0
DEC 04...	62	16	--	1.2	70	19	9	.67	.220	--	.110	<1.0
JAN 17...	59	21	--	1.9	930	16	22	.60	.180	--	.100	3.0
FEB 18...	57	25	--	--	930	16	17	.58	.100	--	.060	2.0
MAR 03...	61	15	--	.8	230	17	8	.63	.090	--	.070	6.0
APR 09...	48	38	--	1.0	2300	14	38	.52	.060	--	.100	2.0
MAY 14...	56	20	--	1.2	2300	19	27	.73	.100	--	.080	1.5
JUN 11...	64	23	--	1.0	1500	17	23	.85	.110	--	.120	1.0
JUL 16...	61	19	6	.8	2300	18	10	.90	.040	.30	.140	2.0
AUG 12...	43	19	7	.7	430	19	13	1.0	.040	--	.150	--
SEP 11...	75	12	5	1.3	430	21	20	1.2	.120	<.10	.190	11

02218300 OCONEE RIVER NEAR PENFIELD, GA.

LOCATION.--Lat 33°43'16", long 83°17'44", Greene County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 15, 7.0 mi (11.2 km) upstream from Greenbrier Creek, 8.0 mi (12.9 km) northwest of Penfield, and 10.0 mi (16.1 km) southeast of Watkinsville.

DRAINAGE AREA.--940 mi2 (2,430 km2).

PERIOD OF RECORD.--Water years 1970-77 (annual maximum), August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 433.26 ft (132.058 m), National Geodetic Vertical Datum of 1929. Nov. 4, 1969 to July 21, 1977, crest-stage gage at same site and datum.

REMARKS.--Records good. Some regulation at low flow from manipulation of Barnett Shoals Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft3/s (558 m3/s) Mar. 16, 1976, gage height, 22.11 ft (6.739 m); minimum daily, 223 ft3/s (6.23 m3/s) Oct. 12, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 6, 1936, reached a stage of 26.7 ft (8.14 m), discharge, 41,500 ft3/s (1,180 m3/s), from rating curve extended above 21,000 ft3/s (595 m3/s) on basis of computation of flow over Barnett Shoals Dam located 10 mi (16.1 km) upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,600 ft3/s (130 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Jan. 19	0700	8950	253	15.82	4.822	Apr. 15	2400	6770	192	14.14	4.310
Mar. 10	2100	9480	268	16.20	4.938	May 21	1100	*13300	377	18.78	5.724
Mar. 13	1200	6960	197	14.30	4.359	May 26	0700	6790	192	14.16	4.316
Mar. 23	1500	8180	232	15.26	4.651	June 27	1500	6360	180	13.76	4.194
Mar. 30	2400	12600	357	18.32	5.584						

Minimum daily discharge, 262 ft3/s (7.42 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1520	1000	1150	1110	1800	1170	6380	1430	1500	1280	683	435
2	1240	1240	1080	1030	1680	1210	3960	1390	1430	1160	652	423
3	935	3120	1040	994	1510	1220	3030	1360	1360	1080	622	460
4	838	3360	1010	985	1430	1190	2680	1340	1300	1050	596	474
5	1200	2130	1000	1130	1370	1470	2430	1320	1240	1020	581	457
6	1520	1310	1020	1150	1360	2540	2210	1290	1190	984	576	412
7	1170	1080	1030	1050	1390	2530	2080	1260	1180	949	567	408
8	938	999	1010	1050	1340	4490	2080	1220	1160	912	545	391
9	846	950	961	1750	1450	7940	2400	1200	1110	892	516	370
10	801	962	935	1780	2350	8770	2090	1190	1070	870	513	339
11	766	1520	925	1640	2530	7440	1890	1160	1040	847	507	328
12	738	2050	935	1570	2140	3920	1820	1140	1010	825	457	326
13	711	1750	934	1800	1780	6570	2070	1110	986	802	520	335
14	686	1410	936	1790	1590	6040	4800	1120	970	796	511	303
15	659	1200	937	1630	1490	5920	6480	1170	964	774	611	296
16	662	1080	913	1470	1700	3270	5720	1160	939	753	684	278
17	633	1030	894	1890	1740	2490	3080	1200	927	802	587	262
18	667	993	881	6720	1600	3290	2470	2170	1200	944	510	342
19	663	963	862	8770	1460	3930	2300	2620	1170	863	483	560
20	638	940	859	8580	1390	3610	2050	5100	1120	845	671	492
21	621	925	869	6000	1380	4060	1910	12100	1030	813	683	466
22	598	911	851	2720	1380	5900	1820	9170	976	792	557	441
23	663	907	861	2470	1410	7680	1740	6460	983	771	483	416
24	635	918	885	2660	1380	5520	1670	4260	1950	731	438	388
25	661	1120	1020	2360	1340	3830	1600	5170	3330	890	438	380
26	621	2100	1040	1950	1250	3960	1560	6160	4500	832	425	350
27	592	2470	956	1770	1200	3000	1550	3050	6030	762	417	348
28	581	2080	901	1660	1180	3940	1530	2150	4240	836	394	498
29	588	1540	869	1550	1180	9730	1480	1850	1820	979	372	1070
30	782	1280	923	1470	---	11200	1470	1690	1430	860	368	1760
31	1110	---	1080	1600	---	10900	---	1580	---	733	379	---
TOTAL	25283	43338	29567	74199	44800	148730	78350	84590	49155	27447	16346	13808
MEAN	816	1445	954	2394	1545	4798	2612	2729	1639	885	527	460
MAX	1520	3360	1150	8770	2530	11200	6480	12100	6030	1280	684	1760
MIN	581	907	851	985	1180	1170	1470	1110	927	731	368	262
CFSM	.87	1.54	1.02	2.55	1.64	5.10	2.78	2.90	1.74	.94	.56	.49
IN.	1.00	1.72	1.17	2.94	1.77	5.89	3.10	3.35	1.95	1.09	.65	.55

CAL YR 1979 TOTAL 551385 MEAN 1511 MAX 16100 MIN 410 CFSM 1.61 IN 21.82
WTR YR 1980 TOTAL 635613 MEAN 1737 MAX 12100 MIN 262 CFSM 1.85 IN 25.15

02218500 OCONEE RIVER NEAR GREENSBORO, GA.

LOCATION.—Lat 33°34'52", long 83°16'22", Greene County, Hydrologic Unit 03070101, on right bank 300 ft (91 m) downstream from bridge on State Highway 12, 1 mi (1.6 km) downstream from Town Creek, 5 mi (8.0 km) upstream from Apalachee River, 5 mi (8.0 km) west of Greensboro, and 12 mi (19.3 km) downstream from Barnett Shoals Dam.

DRAINAGE AREA.—1,090 mi^2 (2,820 km^2), approximately.

PERIOD OF RECORD.—November 1969 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Netural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for water years 1903-32, 1936-78 are published in records of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV					
06...	1150	6.8	17.5	15.0	8.0
MAY					
14...	1115	7.6	23.5	24.0	9.3
JUN					
11...	1030	6.6	29.0	27.0	7.8
SEP					
11...	0800	6.6	22.0	26.5	5.3

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CACO3)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV									
06...	60	46	1.5	230	17	.39	.060	.060	4.0
MAY									
14...	57	8	2.7	90	20	.37	.040	.040	2.7
JUN									
11...	62	9	2.7	200	19	.30	.050	.070	2.0
SEP									
11...	80	27	3.5	70	24	.25	.200	.160	2.0

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.

LOCATION.—Lat 33°47'17", long 83°28'27", Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 ft (305 m) upstream from bridge on Price Mill Road, 3.0 mi (4.8 km) southwest of Bishop, 4.0 mi (6.4 km) upstream from Jacks Creek, and 4.0 mi (6.4 km) northeast of Bostwick.

DRAINAGE AREA.—176 mi^2 (456 km^2).

PERIOD OF RECORD.—June 1944 to December 1949, April 1977 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 535 ft (163 m), from topographic map.

REMARKS.—Records good except those for period of no gage-height record, Nov. 13 to Dec. 2, which are fair. Some regulation at low flow from manipulation of High Shoals Dam.

AVERAGE DISCHARGE.—8 years (water years 1945-49, 1978-80), 278 ft^3/s (7.87 m^3/s), 21.45 in/yr (545 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 8,500 ft^3/s (241 m^3/s) Jan. 6, 1946, gage height, 8.9 ft (2.71 m); minimum discharge, 35 ft^3/s (0.99 m^3/s) July 13, 1977.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 2,200 ft^3/s (62.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	unknown	2680	75.9	4.8	1.46	Mar. 29	unknown	3180	90.1	5.1	1.55
Mar. 13	unknown	3000	85.0	5.0	1.52	May 20	1600	*6220	176	6.71	2.045

Minimum daily discharge, 46 ft^3/s (1.30 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	188	250	228	328	216	742	250	252	188	106	85
2	474	390	240	228	285	229	574	243	242	175	100	93
3	262	642	232	212	265	224	511	240	230	167	97	78
4	209	450	229	214	256	220	431	237	222	163	93	112
5	336	300	228	265	247	240	383	231	212	157	91	97
6	377	250	217	240	252	430	356	226	203	149	91	83
7	273	200	209	215	263	375	342	218	199	142	88	87
8	207	180	197	222	255	1800	355	213	194	138	82	70
9	174	165	183	497	303	1960	454	211	181	135	91	63
10	159	171	177	423	541	1100	369	207	173	130	78	59
11	153	291	174	321	440	460	328	201	167	122	74	60
12	147	406	177	379	361	950	321	197	162	113	72	57
13	135	350	179	331	314	2200	411	193	160	109	54	57
14	129	300	179	314	290	1000	1500	200	158	103	72	54
15	123	260	174	294	277	530	1180	216	155	101	86	51
16	120	240	171	266	344	430	581	215	148	100	83	46
17	120	220	168	581	379	400	444	261	150	98	89	49
18	118	200	165	1840	313	509	393	466	246	111	82	82
19	117	190	164	1680	287	442	374	414	265	119	85	122
20	117	180	163	908	277	385	354	2870	227	110	98	95
21	120	175	162	505	276	850	327	3140	188	105	89	89
22	120	175	162	409	272	950	313	1410	172	101	76	86
23	126	175	157	449	275	600	302	701	198	98	67	118
24	126	200	170	440	268	495	289	991	720	111	63	92
25	124	300	211	376	250	502	278	800	758	134	61	80
26	118	550	198	346	237	424	258	514	541	127	61	73
27	115	500	175	335	227	380	263	376	343	124	60	66
28	112	350	167	322	220	900	259	322	258	155	57	96
29	132	300	162	304	218	2680	258	296	218	174	55	208
30	159	280	196	292	---	2300	256	279	205	133	57	372
31	208	---	256	316	---	1100	---	264	---	114	72	---
TOTAL	5846	8578	5892	13752	8520	25281	13206	16602	7547	4006	2430	2780
MEAN	189	286	190	444	294	816	440	536	252	129	78.4	92.7
MAX	636	642	256	1840	541	2680	1500	3140	758	188	106	372
MIN	112	165	157	212	218	216	256	193	148	98	54	46
CFSM	1.07	1.63	1.08	2.52	1.67	4.64	2.50	3.05	1.43	.73	.45	.53
IN.	1.24	1.81	1.25	2.91	1.80	5.34	2.79	3.51	1.60	.85	.51	.59

CAL YR 1979 TOTAL 105039 MEAN 288 MAX 4240 MIN 71 CFSM 1.64 IN 22.19
WTR YR 1980 TOTAL 114440 MEAN 313 MAX 3140 MIN 46 CFSM 1.78 IN 24.19

02220550 WHITTEN CREEK NEAR SPARTA, GA.

LOCATION.—Lat 33°23'13", long 83°01'29", Hancock County, Hydrologic Unit 03070101, in right bank 100 ft (30 m) upstream from bridge on State Highway 15, 5 mi (8.0 km) upstream from mouth, and 8.5 mi (13.7 km) northwest of Sparta.

DRAINAGE AREA.—15 mi^2 (39 km^2), approximately.

PERIOD OF RECORD.—June 1960 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 395 ft (120 m), from topographic map. Prior to Aug. 17, 1963, water-stage recorder at site 100 ft (30 m) downstream at same datum.

REMARKS.—Records fair except those for periods of no gage-height record, June 7-19 and Aug. 13-26, which are poor.

AVERAGE DISCHARGE.—20 years, 16.3 ft^3/s (0.46 m^3/s), 14.76 in/yr (375 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 3,770 ft^3/s (107 m^3/s) Feb. 24, 1961, gage height, 16.0 ft (4.88 m), at former site; minimum daily, 0.10 ft^3/s (0.003 m^3/s) Sept. 16, 17, 1980.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 600 ft^3/s (17.0 m^3/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)	Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
Mar. 13	0115	*945	26.8	10.98	3.347	Mar. 28	2115	800	22.7	10.40	3.170

Minimum daily discharge, 0.10 ft^3/s (0.003 m^3/s) Sept. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	3.0	2.1	6.9	11	7.3	27	6.6	2.8	2.6	.92	.33
2	1.5	4.7	2.0	4.5	7.3	8.6	21	6.2	2.7	2.4	.84	.31
3	1.4	7.4	1.9	3.2	5.9	7.9	18	6.0	2.6	2.3	.79	.27
4	1.5	1.7	1.9	3.9	4.9	7.3	32	5.9	2.5	2.2	.71	.77
5	3.4	1.3	2.0	9.9	4.5	10	19	5.6	2.4	2.1	.70	.35
6	1.7	1.6	5.9	6.5	5.0	15	16	5.5	2.4	2.0	.64	.29
7	1.3	1.9	10	4.3	5.5	12	14	5.1	2.3	1.8	.59	.27
8	1.1	2.0	4.8	3.7	5.6	320	14	9.0	2.2	1.7	.57	.24
9	1.0	2.2	3.5	3.7	41	82	14	7.6	2.1	1.7	.53	.20
10	1.0	3.8	2.9	3.5	127	31	12	5.4	2.0	1.7	.54	.19
11	1.1	18	2.5	2.8	37	20	11	4.9	2.0	1.6	.50	.25
12	1.1	16	2.2	2.8	21	251	11	4.5	1.9	1.5	.45	.20
13	1.1	5.5	2.1	2.4	15	300	12	4.2	1.8	1.4	.40	.16
14	1.1	3.4	2.2	2.7	11	50	40	4.5	1.8	1.4	.40	.14
15	1.0	2.4	1.9	3.9	10	30	23	4.9	1.7	1.3	.45	.12
16	1.1	2.2	1.8	3.4	23	25	17	4.4	1.7	1.3	.45	.10
17	1.1	2.3	1.7	12	20	20	15	4.6	1.9	1.3	1.0	.10
18	1.1	2.3	1.6	141	13	80	14	5.3	4.0	1.2	.70	.16
19	1.1	2.1	1.6	34	11	29	16	6.0	3.2	1.2	.50	.32
20	1.1	2.1	1.6	14	9.4	23	13	14	4.9	1.2	.45	.30
21	1.2	2.0	1.6	8.2	8.4	46	12	8.4	2.7	1.2	.42	.35
22	1.1	1.8	1.5	7.4	50	26	12	6.5	2.5	1.2	.40	.31
23	1.0	2.0	1.5	45	61	19	10	8.4	5.0	1.2	.90	.23
24	1.1	1.9	2.1	15	23	19	9.2	7.7	27	1.8	.60	.16
25	1.1	2.6	6.1	8.4	15	17	8.4	5.2	36	1.9	.58	.14
26	1.2	22	3.3	6.6	11	15	7.8	4.0	11	1.4	.48	.20
27	1.2	7.2	2.1	9.3	9.6	15	7.7	3.5	5.4	1.2	.38	.18
28	1.3	4.1	1.8	6.7	8.4	238	7.3	3.3	3.8	1.1	.35	2.6
29	1.4	3.0	1.7	5.1	7.3	124	7.5	3.2	3.1	1.1	.32	7.0
30	1.9	2.4	11	4.3	---	117	7.1	3.0	2.9	1.0	.32	15
31	3.2	---	16	14	---	49	---	2.9	---	1.0	.32	---
TOTAL	42.4	134.9	104.9	399.1	581.8	2014.1	448.0	176.3	148.3	48.0	17.20	31.24
MEAN	1.37	4.50	3.38	12.9	20.1	65.0	14.9	5.69	4.94	1.55	.55	1.04
MAX	3.4	22	16	141	127	320	40	14	36	2.6	1.0	15
MIN	1.0	1.3	1.5	2.4	4.5	7.3	7.1	2.9	1.7	1.0	.32	.10
CFSM	.09	.30	.23	.86	1.34	4.33	.99	.38	.33	.10	.04	.07
IN.	.11	.33	.26	.99	1.44	4.99	1.11	.44	.37	.12	.04	.08

CAL YR 1979 TOTAL 4664.86 MEAN 12.8 MAX 617 MIN .60 CFSM .85 IN 11.57
WTR YR 1980 TOTAL 4146.24 MEAN 11.3 MAX 320 MIN .10 CFSM .75 IN 10.28

02220900 LITTLE RIVER NEAR EATONTON, GA.

LOCATION.--Lat 33°18'50", long 83°26'14", Putnam County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 16, 0.9 mi (1.4 km) downstream from Glady Creek, and 3.0 mi (4.8 km) west of Eatonton.

DRAINAGE AREA.--262 mi2 (679 km2).

PERIOD OF RECORD.--Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 370 ft (113 m), from topographic map. Feb. 19, 1970 to Aug. 1, 1977, crest-stage gage at same site and datum.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft^3/s (357 m^3/s) Mar. 3, 1971, gage height, 24.4 ft (7.44 m); minimum daily, 15 ft^3/s (0.42 m^3/s) Oct. 11, 12, 1978, Sept. 16, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft^3/s (56.6 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 18	1400	2440	69.1	10.16	3.097	Mar. 29	1200	*3980	113	13.59	4.142
Mar. 8	1400	2670	75.6	10.67	3.252	May 20	1400	2250	63.7	9.50	2.896
Mar. 13	0100	3160	89.5	11.85	3.612						

Minimum daily discharge, 15 ft^3/s (0.42 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	128	114	148	316	195	856	190	167	153	50	24
2	138	158	106	124	247	205	586	180	156	136	46	23
3	91	235	100	113	214	195	506	170	147	127	43	22
4	77	183	96	122	198	182	583	170	136	122	41	25
5	89	120	94	168	184	274	477	160	129	116	39	22
6	100	97	104	154	190	516	401	150	124	111	39	21
7	89	87	123	130	214	369	367	140	119	102	37	27
8	69	82	114	126	200	1430	360	140	116	93	40	26
9	60	79	101	129	327	1500	382	153	108	91	35	22
10	57	81	94	136	1000	914	353	133	101	99	34	21
11	55	500	92	131	775	492	304	124	94	91	32	20
12	54	356	93	136	463	1160	282	121	90	83	30	20
13	59	248	92	135	338	2970	289	119	87	74	30	20
14	64	161	95	156	278	1940	793	120	84	67	31	18
15	59	125	95	177	248	777	982	151	82	61	40	16
16	57	111	89	158	337	520	528	153	79	60	36	15
17	58	101	85	265	432	556	403	142	81	58	59	17
18	59	95	81	2090	332	1170	352	190	111	56	56	22
19	61	89	80	1680	263	874	333	221	147	55	44	18
20	61	86	78	907	240	555	305	1320	127	58	38	23
21	63	82	78	468	228	561	280	1850	106	58	34	25
22	64	81	82	352	384	505	260	1440	96	55	31	26
23	65	80	82	484	681	424	250	758	99	52	29	26
24	64	80	90	380	450	402	240	839	607	55	27	23
25	65	109	120	288	334	448	230	663	1230	95	28	21
26	63	491	100	261	268	394	220	407	1300	119	27	19
27	60	335	90	283	228	355	210	306	470	91	26	16
28	60	201	89	256	214	1510	200	249	267	99	24	26
29	62	149	85	225	203	3670	200	221	204	77	23	110
30	131	125	121	202	---	2940	190	203	175	73	23	279
31	177	---	171	266	---	1410	---	182	---	58	27	---
TOTAL	2412	4855	3034	10650	9786	29413	11722	11365	6839	2645	1099	993
MEAN	77.8	162	97.9	344	337	949	391	367	228	85.3	35.5	33.1
MAX	181	500	171	2090	1000	3670	982	1850	1300	153	59	279
MIN	54	79	78	113	184	182	190	119	79	52	23	15
CFSM	.30	.62	.37	1.31	1.29	3.62	1.49	1.40	.87	.33	.14	.13
IN.	.34	.69	.43	1.51	1.39	4.18	1.66	1.61	.97	.38	.16	.14

CAL YR 1979 TOTAL 96628 MEAN 265 MAX 7640 MIN 23 CFSM 1.01 IN 13.72
WTR YR 1980 TOTAL 94813 MEAN 259 MAX 3670 MIN 15 CFSM .99 IN 13.46

02221525 MURDER CREEK BELOW EATONTON, GA.

LOCATION.--Lat 33°15'08", long 83°28'53", Putnam County, Hydrologic Unit 03070101, in left bank 250 ft (76 m) upstream from bridge on county road S-777, 3.0 mi (4.8 km) downstream from Beaverdam Creek, 5.8 mi (9.3 km) upstream from mouth, and 7.5 mi (12.1 km) southwest of Eatonton.

DRAINAGE AREA.--190 mi2 (492 km2).

PERIOD OF RECORD.--April 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 375 ft (114 m), from topographic map.

REMARKS.--Records good. Some diurnal fluctuation at low flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,270 ft3/s (178 m3/s) Feb. 24, 1979, gage height, 9.19 ft (2.801 m); minimum daily discharge, 13 ft3/s (0.37 m3/s) Sept. 10, 15, 16, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft3/s (51.0 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	1515	2090	59.2	4.89	1.490	Mar. 29	2230	*3050	86.4	5.75	1.753
Mar. 14	0130	2640	74.8	5.37	1.637						

Minimum daily discharge, 13 ft3/s (0.37 m3/s) Sept. 10, 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	69	86	110	228	158	570	149	121	79	36	26
2	52	74	82	99	180	168	409	144	116	72	36	26
3	46	144	80	92	164	157	351	140	110	68	32	21
4	45	92	77	98	153	148	506	141	104	66	30	19
5	62	67	77	142	142	200	388	136	98	79	28	19
6	62	61	85	118	148	533	300	131	94	62	29	19
7	52	59	102	105	178	345	270	123	93	59	27	19
8	48	58	89	104	157	1190	260	120	90	55	25	16
9	46	56	79	107	197	1770	276	144	84	51	24	14
10	44	58	77	108	771	901	242	127	78	103	26	13
11	46	203	75	103	550	384	218	121	75	63	24	14
12	46	273	75	111	316	818	209	118	73	55	22	18
13	44	144	75	106	242	2420	219	115	70	49	25	17
14	43	104	78	116	207	2010	712	116	68	46	25	16
15	39	85	77	133	188	612	771	134	67	43	29	14
16	39	77	74	117	245	383	375	131	64	42	28	13
17	40	73	73	149	259	423	282	127	65	40	31	13
18	41	70	70	1450	199	1120	251	156	79	39	30	23
19	41	68	69	1400	178	726	241	142	99	40	27	21
20	42	67	70	518	170	429	226	770	86	39	25	24
21	43	66	69	278	166	443	208	809	75	43	26	25
22	44	65	69	226	210	389	197	466	69	39	25	25
23	45	66	70	366	532	297	187	459	75	38	23	24
24	44	67	74	272	365	281	177	532	208	56	23	22
25	42	76	98	211	254	299	168	409	323	74	22	21
26	40	338	92	192	208	258	164	246	211	58	20	19
27	40	191	79	230	182	246	161	192	125	49	17	17
28	39	127	75	210	172	1020	157	163	105	52	16	21
29	40	106	73	181	163	2670	157	146	92	51	16	66
30	78	93	96	161	---	2350	158	134	83	43	16	154
31	121	---	140	203	---	1130	---	125	---	38	19	---
TOTAL	1512	3097	2505	7816	7124	24278	8810	6966	3100	1691	781	759
MEAN	48.8	103	80.8	252	246	783	294	225	103	54.5	25.2	25.3
MAX	121	338	140	1450	771	2670	771	809	323	103	36	154
MIN	39	56	69	92	142	148	157	115	64	38	16	13
CFSM	.26	.54	.43	1.33	1.30	4.12	1.55	1.18	.54	.29	.13	.13
IN.	.30	.61	.49	1.53	1.39	4.75	1.72	1.36	.61	.33	.15	.15

CAL YR 1979 TOTAL 68372 MEAN 187 MAX 5110 MIN 23 CFSM .98 IN 13.39
WTR YR 1980 TOTAL 68439 MEAN 187 MAX 2670 MIN 13 CFSM .98 IN 13.40

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.

LOCATION.--Lat 33°04'58", long 83°12'51", Baldwin County, Hydrologic Unit 03070101, at right bank on city of Milledgeville water works intake structure at Milledgeville, 0.5 mi (0.8 km) upstream from bridge on State Highway 24, 3.8 mi (6.1 km) downstream from Sinclair Dam of Georgia Power Co., and at mile 139.1 (223.8 km).

DRAINAGE AREA.--2,950 mi^2 (7,640 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1903 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.84 ft (70.360 m), National Geodetic Vertical Datum of 1929. Prior to May 23, 1906, Jan. 1 to Oct. 5, 1909, Jan. 1, 1932, to Sept. 30, 1939, nonrecording gages at site 0.5 mi (0.8 km) downstream, and Oct. 1, 1939, to Mar. 8, 1966, water-stage recorder 0.3 mi (0.5 km) downstream, all at present datum. May 23, 1906, to Dec. 31, 1908, and Oct. 6, 1909, to Dec. 31, 1931, nonrecording gages at Fraleys Ferry, 6.8 mi (10.9 km) upstream at different datum.

REMARKS.--Records good. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. (See "Lakes and Reservoirs in Altamaha River Basin," stations 02220450 and 02225000.)

AVERAGE DISCHARGE.--77 years, 3,376 ft^3/s (95.6 m^3/s), 15.54 in/yr (395 mm/yr), adjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft^3/s (3,460 m^3/s) Feb. 25, 1961, gage height, 42.9 ft (13.08 m), from rating curve extended above 77,000 ft^3/s (2,180 m^3/s); minimum daily, 90 ft^3/s (2.55 m^3/s) for several days in August and September 1925 and on Aug. 3, 1955.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 46.7 ft (14.23 m) in 1886 at site 0.5 mi (0.8 km) downstream at present datum, from information by Georgia Department of Transportation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 63,200 ft^3/s (1,790 m^3/s) Mar. 13, gage height, 35.30 ft (10.759 m); minimum daily, 355 ft^3/s (10.1 m^3/s) Oct. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4100	2650	3310	953	4210	4660	11400	2630	1910	2730	1480	1060
2	4900	3960	2060	3700	4110	4010	11000	3040	2780	2940	1410	1020
3	2550	4020	1070	4150	3820	2830	7570	732	2450	2370	1440	1060
4	1200	6230	380	4250	3970	1270	9260	1510	2520	390	1070	970
5	370	1560	910	3310	3960	4140	8110	2000	2010	380	1080	930
6	950	935	1700	3140	3820	5310	7470	3730	2090	681	1540	935
7	365	1760	6070	2460	4080	7310	7430	1880	1460	1590	1170	935
8	1250	404	462	3820	1740	15200	7430	2860	1240	1530	1150	962
9	1200	2060	1550	4470	3730	24100	7360	2270	1010	2000	1140	1110
10	920	3680	2200	4230	4350	18600	5510	1480	400	1160	421	935
11	390	4290	1360	4190	7350	12800	2620	1630	1290	380	1160	695
12	2020	5290	390	3680	7330	12800	4180	2700	2100	378	1150	738
13	379	4790	4090	3820	7310	50300	4240	465	2250	378	1160	716
14	384	4260	1470	3760	7110	19800	7510	810	1300	374	1180	746
15	1060	1410	983	2270	7320	14500	7420	890	1680	2270	1330	738
16	1440	980	410	1350	3940	7980	7430	1500	770	5540	1410	709
17	674	2140	3710	3870	4160	7600	7390	2680	1170	1890	1220	667
18	1210	1830	2040	13100	4570	8100	7420	3300	1840	2370	1280	674
19	980	1970	1810	21700	5010	7550	6970	4360	1340	1740	1440	667
20	421	1510	1930	14900	6270	7500	5820	8500	1100	1830	1320	740
21	2310	2070	1990	14400	4430	12500	6040	17000	1650	2010	990	786
22	3480	1770	456	8640	3980	9900	6150	19700	1840	1860	912	706
23	410	879	392	7690	4090	10600	4460	11600	2490	1740	907	744
24	375	1610	393	7290	6240	9400	3820	14200	9340	1800	874	746
25	365	3270	391	5390	2930	7430	2210	7870	16300	1860	877	730
26	360	6720	388	4180	4810	7390	2000	7180	8680	1920	917	688
27	355	4320	1980	2980	2990	7400	1340	7150	7020	1870	1020	660
28	360	3950	3840	5430	1950	13200	4860	6100	7070	1320	890	745
29	360	3970	4640	4140	1480	34900	4270	4980	6430	1350	990	1470
30	3360	4230	803	3950	---	28900	2210	3630	4380	2430	1080	2800
31	2870	---	2160	3940	---	22600	---	3290	---	1340	962	---
TOTAL	41368	88518	55418	175153	131060	400580	180900	151667	97910	52421	34970	27082
MEAN	1334	2951	1788	5650	4519	12920	6030	4892	3264	1691	1128	903
MAX	4900	6720	6070	21700	7350	50300	11400	19700	16300	5540	1540	2800
MIN	355	404	380	953	1480	1270	1340	465	400	374	421	660
MEAN†	1427	2865	1749	5581	4806	12950	5611	5078	3244	1033	735	970
CFSM†	0.48	0.97	0.59	1.89	1.63	4.39	1.90	1.72	1.10	0.35	0.25	0.33
IN.†	0.55	1.08	0.68	2.18	1.76	5.06	2.12	1.98	1.23	0.40	0.29	0.37

CAL YR 1979 TOTAL 1044004 MEAN 2860 MAX 53200 MIN 316 MEAN† 3405 CFSM† 1.15 IN.† 15.67
WTR YR 1980 TOTAL 1437047 MEAN 3926 MAX 50300 MIN 355 MEAN† 3839 CFSM† 1.30 IN.† 17.67

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE OCONEE AND SINCLAIR RESERVOIR.

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 10...	1215	380	7.5	19.5	20.5	--
NOV 06...	1330	395	7.2	18.5	17.0	8.5
DEC 04...	1100	375	6.9	8.0	9.5	8.0
JAN 16...	1550	525	7.1	24.5	10.5	8.6
APR 09...	1500	7380	6.7	24.5	15.5	8.7
MAY 13...	1410	356	6.7	29.5	21.0	7.9
JUN 11...	1400	352	6.6	31.0	24.0	8.0
JUL 16...	0950	5920	6.7	25.0	28.0	4.4
AUG 13...	0725	416	6.8	25.5	28.0	4.2
SEP 10...	1315	400	6.9	33.0	28.5	5.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)
OCT 10...	68	45	9	.4	930	<30	22
NOV 06...	71	30	8	.5	--	400	28
DEC 04...	72	50	22	.3	4300	40	26
JAN 16...	74	40	16	.8	<30	<30	--
APR 09...	46	--	43	1.2	230	<30	--
MAY 13...	47	--	31	.4	930	<30	--
JUN 11...	55	--	20	1.0	4300	<30	--
JUL 16...	51	--	19	.9	4300	2300	--
AUG 13...	55	--	11	.5	23000	230	--
SEP 10...	51	--	3	.3	110	<30	--

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA- LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
10...	25	1	.13	.030	<.020	280	60	1.0
NOV								
06...	25	2	.15	.040	.020	150	50	2.0
DEC								
04...	26	8	.23	.020	.040	1520	150	<1.0
JAN								
16...	26	7	.32	.030	<.020	700	50	2.0
APR								
09...	12	--	.35	.080	.040	4080	70	3.5
MAY								
13...	14	--	.30	.040	.040	820	60	2.0
JUN								
11...	16	--	.30	.080	.040	2960	270	2.5
JUL								
16...	18	--	.14	.040	.030	370	350	6.0
AUG								
13...	19	--	.06	.060	.030	200	230	1.8
SEP								
10...	19	--	.06	.040	<.020	<100	80	4.0

02223040 OCONEE RIVER NEAR HARDWICK, GA.

LOCATION.--Lat 33°01'45", long 83°11'24", Baldwin County, Hydrologic Unit 03070102, on right bank 1 mi (1.6 km) downstream from Camp Creek, and 3 mi (4.8 km) southeast of Hardwick.

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
10...	1145	375	7.4	19.0	21.0	--
NOV						
06...	1405	395	7.2	19.0	18.0	7.6
DEC						
04...	1145	375	6.8	10.0	9.0	7.5
JAN						
16...	1515	6160	7.4	23.5	--	7.5
APR						
09...	1530	7300	6.8	23.5	16.0	8.7
MAY						
14...	0745	360	6.5	22.0	20.0	8.2
JUN						
11...	1315	350	6.5	34.0	26.0	7.4
JUL						
16...	1130	5930	6.7	29.0	28.0	3.8
AUG						
13...	0815	413	6.9	25.5	29.5	4.3
SEP						
10...	1230	400	6.8	27.5	28.0	5.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)
OCT							
10...	76	40	9	1.2	43000	24	26
NOV							
06...	83	30	8	1.2	43000	26	27
DEC							
04...	82	50	21	1.8	23000	26	29
JAN							
16...	75	40	18	1.1	7500	--	24
APR							
09...	47	--	46	.8	4300	--	13
MAY							
14...	58	--	32	1.6	230000	--	20
JUN							
11...	65	--	16	1.1	230000	--	18
JUL							
16...	51	--	18	1.0	2300	--	18
AUG							
13...	61	--	11	1.2	230000	--	42
SEP							
10...	59	--	3	1.2	2300	--	20

02223040 OCONEE RIVER NEAR HARDWICK, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
10...	1	.15	.100	.070	970	160	2.0
NOV							
06...	3	.16	.130	.050	200	60	2.0
DEC							
04...	5	.25	.130	.100	1500	130	<1.0
JAN							
16...	5	.34	.060	<.020	660	65	1.0
APR							
09...	--	.31	.080	.180	--	--	3.5
MAY							
14...	--	.36	.220	.120	--	--	2.7
JUN							
11...	--	.32	.080	.140	--	--	1.0
JUL							
16...	--	.14	.040	.030	--	--	4.0
AUG							
13...	--	.07	.080	.070	--	--	2.0
SEP							
10...	--	.10	.080	.080	--	--	8.0

02223250 OCONEE RIVER NEAR TOOMSBORO, GA.

LOCATION.--Lat 32°46'54", long 82°57'30", Wilkinson-Washington County line, Hydrologic Unit 03070102, at bridge on State Route 57, 3.2 mi (5.1 km) downstream of Commissioner Creek, 7.5 mi (12.1 km) east of Toomsboro, and at mile 96.2 (154.8 km).

DRAINAGE AREA.--3,770 mi^2 (9,760 km^2).

PERIOD OF RECORD.--February 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
10...	1030	1300	7.4	15.5	20.5	--
NOV						
06...	1510	2140	6.7	20.5	16.0	8.2
DEC						
04...	1240	1920	6.7	11.0	9.0	8.5
JAN						
16...	1400	4800	7.2	20.0	10.0	8.4
APR						
09...	1630	9500	6.8	23.0	16.5	8.4
MAY						
14...	0900	1980	6.8	23.0	20.5	8.2
JUN						
11...	1230	1570	6.9	33.0	25.5	7.6
JUL						
16...	1245	1470	7.2	30.0	30.0	7.2
AUG						
13...	0900	1400	7.3	30.5	28.0	5.3
SEP						
10...	1130	800	7.0	27.5	27.5	6.8

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)
OCT							
10...	73	50	15	1.0	2300	24	22
NOV							
06...	85	50	19	.5	930	26	20
DEC							
04...	81	55	24	.5	430	26	24
JAN							
16...	83	50	23	1.0	2300	--	22
APR							
09...	49	160	46	.6	93000	--	13
MAY							
14...	61	90	32	.9	9300	--	17
JUN							
11...	81	35	21	.6	9300	--	19
JUL							
16...	86	20	18	1.5	1500	--	25
AUG							
13...	74	20	13	1.2	4300	--	19
SEP							
10...	81	30	6	.6	930	--	20

02223250 OCONEE RIVER NEAR TOOMSBORO, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
10...	12	.17	<.020	.070	1190	140	5.0
NOV							
06...	21	.13	<.020	.050	1000	75	2.0
DEC							
04...	12	.24	.030	.090	1600	100	<1.0
JAN							
16...	19	.34	.060	.060	1240	190	<1.0
APR							
09...	--	.27	.040	.070	--	--	6.0
MAY							
14...	--	.34	<.020	.060	--	--	3.3
JUN							
11...	--	.36	.050	.080	--	--	2.5
JUL							
16...	--	.10	<.020	.040	--	--	3.0
AUG							
13...	--	.16	<.020	.040	--	--	1.5
SEP							
10...	--	.14	<.020	.040	--	--	1.5

02223500 OCONEE RIVER AT DUBLIN, GA.

LOCATION.—Lat 32°32'40", long 82°53'41", Laurens County, Hydrologic Unit 03070102, near left bank on downstream end of pier of bridge on U.S. Highway 80 at Dublin, and at mile 74.3 (119.5 km).
DRAINAGE AREA.—4,400 mi2 (11,400 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1894 to September 1897 (gage heights only), October 1897 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.
REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1898-1903, 1905-6, 1908-9, 1912, 1913(M), 1925(M).
GAGE.—Water-stage recorder. Datum of gage is 149.08 ft (45.440 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 14, 1932, nonrecording gage and Apr. 15, 1932, to June 17, 1934, water-stage recorder at site 420 ft (128 m) downstream at datum 3.0 ft (0.91 m) higher, Oct. 1, 1933, to July 17, 1934 corrected to present datum. July 18, 1934, to Apr. 14, 1936, water-stage recorder, Apr. 15, 1936, to Oct. 12, 1938, nonrecording gage, and Oct. 13, 1938, to Jan. 20, 1953, water-stage recorder at site 80 ft (24 m) upstream at present datum.
REMARKS.—Records good. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.) Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.—83 years (1897-1980), 5,066 ft3/s (143 m3/s), 15.64 in/yr (397 mm/yr), unadjusted.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 97,700 ft3/s (2,770 m3/s) Apr. 12, 13, 1936, gage height, 32.97 ft (10.049 m); minimum, 333 ft3/s (9.43 m3/s) Sept. 12, 1951, gage height, 0.48 ft (0.146 m).
EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1893, that of Apr. 12, 13, 1936.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 19,000 ft3/s (538 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 16	0400	*49900	1410	27.81	8.476
Apr. 2	1100	37500	1060	25.41	7.745

Minimum daily discharge, 697 ft3/s (19.7 m3/s) Oct. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3670	2790	4790	2060	5570	2610	33000	4060	4010	8000	2030	1030
2	4850	2590	5140	2540	5560	4010	37200	3310	3170	4510	1530	1040
3	6090	3400	3040	3150	5310	5010	34400	3470	2760	3410	1520	1040
4	4580	4610	2300	4270	5150	4620	29000	2810	3030	3420	1450	1050
5	2590	5740	1620	4980	4970	2690	23100	2150	2820	2210	1420	1040
6	2010	4220	1400	4880	4760	3920	18400	2560	2510	1160	1200	1010
7	1410	2150	1750	4110	4910	5830	15500	3180	2350	974	1360	975
8	1590	1640	4930	3700	4800	7600	13500	3650	2350	1210	1390	959
9	1270	1900	3940	4010	4310	9580	12300	3230	1950	2020	1240	947
10	1520	1210	1830	4920	4090	11600	11400	3380	1650	2270	1220	1000
11	1460	3330	2670	5100	6540	17100	10700	2680	1460	2200	1210	1050
12	1290	4920	2820	5150	7900	35500	9160	2240	1050	1410	818	964
13	1430	6590	1770	4520	8960	32200	6400	2670	1790	911	1130	827
14	1540	6480	2270	4550	9480	34200	6730	2660	2190	806	1220	815
15	931	6520	3230	4650	9470	44400	7910	1480	2130	752	1340	813
16	921	4660	2100	4010	9220	48500	8750	1760	1580	831	1190	784
17	1370	2290	1700	2820	8290	41400	9090	1610	1710	3640	1300	764
18	1280	1960	2150	3040	5940	33200	9250	2350	1260	3010	1370	766
19	998	2740	3340	6870	5830	27000	9350	3220	1650	2120	1280	739
20	1270	2570	2400	8800	6140	21300	9310	3640	2020	2300	1260	753
21	1200	2250	2390	10300	6740	18200	8990	5420	1830	2000	1410	775
22	1150	2230	2080	12200	6830	16300	8180	6920	1540	2080	1330	810
23	2500	2250	2230	15100	5580	15200	7600	8490	1910	2030	1120	848
24	2430	1810	1280	16800	6250	15100	6570	10600	3090	1940	1020	801
25	1060	1460	1190	16500	7270	15800	5380	12800	5670	1970	1000	879
26	845	2590	1200	14900	6560	15700	4480	15100	7890	1970	941	868
27	790	6030	1180	12200	5590	14800	3450	15200	8900	1990	922	838
28	741	6210	1360	8370	4980	14100	2830	13900	9830	2070	985	913
29	710	4670	2960	6840	3660	14300	3620	11800	10500	1900	1030	923
30	697	4720	5410	6390	---	15000	4990	8760	10300	1570	957	1420
31	1200	---	3130	5670	---	21700	---	5350	---	1750	1000	---
TOTAL	55393	106530	79600	213400	180660	568470	370540	170450	104900	68434	38193	27441
MEAN	1787	3551	2568	6884	6230	18340	12350	5498	3497	2208	1232	915
MAX	6090	6590	5410	16800	9480	48500	37200	15200	10500	8000	2030	1420
MIN	697	1210	1180	2060	3660	2610	2830	1480	1050	752	818	739

CAL YR 1979 TOTAL 1529877 MEAN 4191 MAX 47500 MIN 580 MEAN† 4736 CFSM† 1.08 IN.† 14.61
WTR YR 1980 TOTAL 1984011 MEAN 5421 MAX 48500 MIN 697 MEAN† 5334 CFSM† 1.21 IN.† 16.46

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE OCONEE AND SINCLAIR RESERVOIR.

02223500 OCONEE RIVER AT DUBLIN, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1963 to September 1964, February 1968 to July 1973.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: October 1963 to September 1964, June 1979 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum recorded, 31.5°C Aug. 9, 10, 1979, Aug. 20-22, 1980; minimum, 4.0°C Jan. 15, 1964.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum recorded, 31.5°C Aug. 20-22; minimum, 6.5°C Feb. 3, 4.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.5	23.5	20.5	20.0	12.5	11.5	10.0	9.5	9.5	8.0	11.5	11.0
2	24.0	23.5	21.0	20.5	12.5	11.5	9.5	9.0	8.0	7.0	10.5	8.0
3	24.0	23.0	20.5	19.5	11.5	9.5	9.5	8.0	7.5	6.5	8.0	7.0
4	23.0	22.0	19.5	17.5	9.5	9.0	10.0	9.5	7.5	6.5	8.0	7.0
5	22.5	21.5	18.0	17.5	9.0	8.0	10.0	9.0	7.5	7.0	9.5	8.0
6	21.5	20.0	17.5	16.0	9.5	9.0	9.0	8.0	7.5	7.0	10.5	9.5
7	21.0	19.5	16.5	15.0	11.0	9.5	8.0	7.5	7.5	7.0	10.5	10.0
8	20.5	19.0	16.0	15.0	12.5	11.0	8.5	8.0	8.0	7.0	11.0	10.5
9	21.0	19.0	17.5	15.5	12.0	10.5	10.0	8.5	8.0	7.5	13.0	11.0
10	21.5	20.0	17.5	17.0	10.5	9.5	10.0	10.0	7.5	7.5	14.0	13.0
11	21.0	19.5	18.5	17.5	11.0	9.0	10.0	9.5	7.5	7.0	14.0	13.5
12	20.0	19.0	18.0	17.5	12.5	11.0	10.5	10.0	8.0	7.0	13.5	12.0
13	20.5	19.0	17.5	17.0	13.5	12.5	10.0	9.5	7.5	7.5	12.0	10.5
14	20.5	19.5	17.5	16.0	14.5	13.5	9.5	9.0	8.0	7.5	10.5	10.0
15	19.5	17.5	16.5	15.0	13.5	12.0	9.0	8.5	8.5	8.0	10.0	9.5
16	19.0	17.5	15.0	14.0	12.0	11.0	10.0	9.0	9.5	8.5	10.5	10.0
17	20.0	18.5	14.0	13.0	11.0	10.0	10.5	10.0	9.0	8.5	11.5	10.5
18	21.5	20.0	14.0	12.5	9.5	8.5	12.0	11.0	8.5	8.0	13.0	11.5
19	21.5	20.5	15.0	13.0	10.0	9.0	11.0	10.0	8.5	7.5	13.5	13.0
20	22.0	21.0	15.0	14.0	9.5	8.5	10.5	10.0	8.5	8.0	14.0	13.5
21	22.5	21.5	15.0	14.5	9.5	9.0	10.5	10.5	9.0	8.5	14.5	14.0
22	22.5	21.5	15.5	14.5	10.0	9.5	10.5	10.5	10.0	9.0	14.5	14.0
23	22.0	21.0	16.5	15.5	11.0	9.5	11.0	10.5	12.0	10.5	14.0	13.5
24	21.0	19.5	17.5	16.5	11.5	10.5	10.5	9.5	13.0	11.5	---	---
25	19.0	17.5	18.0	17.0	11.5	10.5	9.5	9.0	11.5	11.0	---	---
26	18.0	17.0	18.0	17.0	10.0	9.5	9.5	9.5	11.5	10.5	---	---
27	17.5	15.5	16.5	15.5	9.5	8.5	9.5	9.5	10.0	9.5	---	---
28	17.5	15.5	15.5	15.0	9.0	8.5	10.0	9.5	10.0	9.0	---	---
29	18.0	16.0	14.5	13.5	10.5	9.0	10.0	10.0	11.5	10.0	---	---
30	19.0	17.5	14.0	12.0	11.0	10.5	10.0	9.5	---	---	---	---
31	20.0	18.5	---	---	10.5	10.0	10.0	9.5	---	---	---	---
MONTH	24.5	15.5	21.0	12.0	14.5	8.0	12.0	7.5	13.0	6.5	14.5	7.0

02223500 OCONEE RIVER AT DUBLIN, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.0	15.0	19.0	17.5	24.0	23.0	26.0	25.5	---	---	29.5	28.0
2	15.5	15.0	19.5	18.0	24.5	23.0	27.0	25.5	---	---	30.0	28.5
3	16.0	15.5	18.5	18.0	25.5	23.5	27.5	26.0	---	---	30.5	28.5
4	16.5	16.0	19.5	17.5	25.5	24.0	27.5	26.5	---	---	30.5	29.0
5	16.5	16.0	20.0	18.5	26.0	24.5	28.5	26.5	---	---	30.0	29.0
6	16.0	15.5	20.5	19.5	26.0	24.5	29.0	27.0	---	---	30.0	29.0
7	16.0	15.5	20.5	19.5	26.0	25.0	29.0	27.0	---	---	30.5	29.0
8	16.0	15.5	20.0	19.5	26.5	25.0	---	---	---	---	30.0	28.5
9	16.5	15.5	20.0	19.5	26.5	25.0	---	---	---	---	29.5	28.5
10	16.5	16.0	20.5	19.0	26.5	24.5	---	---	---	---	29.0	28.0
11	16.5	16.0	21.5	19.5	26.0	24.5	---	---	---	---	28.5	27.5
12	17.0	16.5	22.5	20.5	26.5	24.5	---	---	---	---	29.0	27.5
13	17.0	16.5	23.0	21.5	26.0	24.5	---	---	---	---	28.5	27.5
14	17.5	16.5	22.0	21.0	25.5	24.5	---	---	---	---	29.0	27.5
15	16.5	15.5	23.0	21.0	26.0	24.5	---	---	30.5	30.0	29.0	27.5
16	16.0	15.5	23.0	22.0	27.0	25.0	---	---	30.5	29.5	29.0	27.5
17	16.0	15.5	22.0	21.5	27.5	25.5	---	---	30.5	29.5	28.0	27.5
18	16.5	16.0	22.5	21.0	27.0	25.5	---	---	30.0	28.5	27.5	27.0
19	16.5	16.0	22.0	21.0	26.0	25.5	---	---	30.5	29.0	28.5	27.0
20	16.5	16.0	22.0	21.5	26.0	24.5	---	---	31.5	29.5	28.5	27.5
21	17.0	16.5	21.5	21.0	27.0	25.0	---	---	31.5	30.0	28.5	27.0
22	17.5	17.0	22.0	21.5	27.0	25.0	---	---	31.5	30.0	28.5	27.5
23	18.5	17.5	21.5	21.5	26.5	25.0	---	---	31.0	30.0	29.0	27.5
24	19.0	18.0	21.5	21.0	25.5	25.0	---	---	30.5	29.5	29.0	28.0
25	19.5	18.5	21.5	21.5	25.0	24.5	---	---	29.5	28.0	29.0	27.5
26	19.0	19.0	22.0	21.5	25.0	24.5	---	---	28.5	27.5	29.0	28.0
27	19.5	18.5	22.0	22.0	25.0	25.0	---	---	28.5	27.0	28.5	27.0
28	19.0	18.0	22.5	22.0	25.5	25.0	---	---	28.5	27.5	26.5	24.0
29	18.5	17.5	22.5	22.0	25.5	25.5	---	---	29.0	28.0	24.0	22.0
30	18.0	17.5	23.0	22.0	26.0	25.5	---	---	30.0	28.0	22.0	21.0
31	---	---	23.5	22.5	---	---	---	---	29.5	28.5	---	---
MONTH	19.5	15.0	23.5	17.5	27.5	23.0	29.0	25.5	31.5	27.0	30.5	21.0
YEAR	31.5	6.5										

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.

LOCATION.—Lat 32°29'05", long 82°51'45", Laurens County, Hydrologic Unit 03070102, at Interstate Highway 16, 4.0 mi (6.4 km) upstream from Pughes Creek, 4.5 mi (7.2 km) southeast of Dublin, and at mile 69.9 (112.5 km).

DRAINAGE AREA.—4,400 mi2 (11,400 km2), approximately.

PERIOD OF RECORD.—October 1973 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
05...	0940	2680	7.0	19.0	22.0	7.8
NOV						
08...	1115	1600	7.2	19.5	16.0	9.3
DEC						
06...	1555	1440	7.0	13.0	9.5	8.1
JAN						
10...	1215	4640	7.4	9.0	10.0	9.2
FEB						
19...	0900	5590	7.0	4.0	7.0	10.0
MAR						
04...	0915	4870	7.2	4.0	6.0	11.2
APR						
01...	1030	32400	6.9	21.5	15.0	8.3
MAY						
22...	1230	7010	6.8	25.0	22.0	7.9
JUN						
20...	0730	2290	7.1	25.5	25.0	6.8
JUL						
25...	0800	2020	6.9	25.0	27.5	6.7
AUG						
21...	0800	1550	6.9	25.0	29.5	5.2
SEP						
19...	1130	764	6.7	34.0	27.5	6.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)
OCT						
05...	79	50	30	10	.5	2300
NOV						
08...	88	50	16	10	.4	430
DEC						
06...	110	60	21	16	--	4300
JAN						
10...	82	80	34	8	1.3	15000
FEB						
19...	77	50	29	12	1.0	3300
MAR						
04...	74	50	28	11	1.4	2100
APR						
01...	45	80	32	17	.8	430
MAY						
22...	49	100	64	16	.8	2300
JUN						
20...	--	55	22	13	1.0	23000
JUL						
25...	79	20	26	--	.8	930
AUG						
21...	77	30	12	--	.5	2300
SEP						
19...	130	10	5	--	.4	430

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA- LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
05...	24	32	.15	.030	.70	.090	3.0
NOV							
08...	23	11	.15	.080	.50	.090	<1.0
DEC							
06...	27	18	.41	.330	1.1	.140	2.5
JAN							
10...	23	27	.27	.060	.20	.040	5.0
FEB							
19...	20	26	.24	.080	.34	.050	5.0
MAR							
04...	19	25	.26	.080	.40	.060	5.0
APR							
01...	13	17	.21	<.020	.20	.080	7.5
MAY							
22...	13	95	.21	.020	.40	.080	3.0
JUN							
20...	18	33	.31	.050	.50	.070	2.0
JUL							
25...	21	17	.16	.080	--	.040	4.0
AUG							
21...	18	12	.15	.060	--	.060	3.0
SEP							
19...	20	5	.17	.140	--	.050	2.0

02224000 ROCKY CREEK NEAR DUDLEY, GA.

LOCATION.—Lat 32°29'38", long 83°08'49", Laurens County, Hydrologic Unit 03070102, on downstream side of highway bridge, 3.2 mi (5.1 km) upstream from Buckhorn Branch, and 5 mi (8.0 km) southwest of Dudley.
DRAINAGE AREA.—62.9 mi^2 (163 km2).
PERIOD OF RECORD.—November 1970 to current year. Water-discharge records for water years 1952-76 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 06...	1030	6.9	93	7.4	12.5	8.4
MAY 06...	1020	45	62	6.6	18.5	7.7

DATE	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)
NOV 06...	25	2.0	37	10	13	1.1	3.2	1.4	27	8.4	1.7
MAY 06...	40	8.5	22	2	7.0	1.2	3.1	.8	20	9.8	1.3

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
NOV 06...	6.9	.1	10	68	1.27	.17	.030	.35	.38	.05
MAY 06...	6.0	.1	7.3	54	6.56	.39	.060	.34	.40	.00

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
NOV 06...	.33	.55	.040	.12	.020	30	1	1	0	<10
MAY 06...	.46	.79	.050	.15	.020	60	1	1	2	<10

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 06...	0	520	1	0	30	.2	<.1	0	50	5.5
MAY 06...	2	260	3	1	40	.2	.2	0	530	4.8

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.

LOCATION.--Lat 31°56'20", long 82°21'13", Appling-Toombs County line, Hydrologic Unit 03070106, on right bank 400 ft (122 m) downstream from bridge on U.S. Highway 1, 2.2 mi (3.5 km) upstream from Bay Creek, 8 mi (12.9 km) downstream from Bullards Creek, and 12 mi (19.3 km) north of Baxley.

DRAINAGE AREA.--11,600 mi^2 (30,000 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1949 to June 1951, October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.51 ft (18.748 m) National Geodetic Vertical Datum of 1929. Aug. 13, 1949, to June 30, 1951, nonrecording gage at site 400 ft (122 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years (1949-50, 1971-80), 12,460 ft^3/s (353 m^3/s), 14.59 in/yr (371 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 97,500 ft^3/s (2,760 m^3/s) Mar. 12, 1971, gage height, 22.7 ft (6.92 m); minimum daily, 1,940 ft^3/s (54.9 m^3/s) Nov. 3, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 10, 1948, reached a stage of 25.1 ft (7.65 m), from floodmark, discharge, 130,000 ft^3/s (3,680 m^3/s).

Flood of January 1925 reached a stage of 30.0 ft (9.14 m), from information furnished by Georgia Department of Transportation.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25,000 ft^3/s (708 m^3/s) and maximum (*):

Date	Time	Discharge (ft /s)	Discharge (m /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft /s)	Discharge (m /s)	Gage height (ft)	Gage height (m)
Mar. 21	0600	*84900	2400	21.69	6.611	June 3	1200	26800	759	14.57	4.441
Apr. 8	1800	67200	1900	20.12	6.133						

Minimum discharge, 2,200 ft^3/s (62.3 m^3/s) Sept. 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8130	3120	8350	7410	23800	13400	48100	16200	24500	12000	3790	2510
2	8560	3120	8480	7290	22200	12300	48200	15300	26000	13100	3640	2470
3	8930	4100	8740	6430	20600	11000	48300	14400	26500	13900	3870	2490
4	9250	4670	9050	6270	19500	10900	50700	13000	23100	14200	3660	2500
5	9880	5280	8550	6470	18600	11700	55600	11800	20000	12400	3440	2590
6	9900	6230	8060	7350	17500	12100	60900	10700	17900	9770	3320	2650
7	9050	6880	7780	8080	16200	11400	65000	9540	16100	7710	3220	2680
8	8100	6990	7370	8400	14700	10900	66600	9040	13900	5930	3060	2700
9	7570	6120	7150	8340	13500	11900	64900	9050	10600	5030	2990	2740
10	7330	5630	7950	8200	13000	13300	60900	9380	7750	4590	3080	2720
11	7190	5700	8410	8240	12700	14900	55600	9270	6540	4680	3000	2660
12	7120	5710	7510	8700	12300	16400	50500	8910	5930	4990	2890	2650
13	7110	6750	7250	8980	12700	19700	46000	8190	5440	4970	2880	2660
14	6930	8310	7260	9050	13300	24400	41600	7480	5000	4640	2720	2580
15	6650	9330	6740	8880	13900	32400	37100	7430	4870	4170	2590	2460
16	6200	10000	6770	8630	14500	43000	33000	7470	4980	3850	2750	2370
17	5110	10500	7410	8580	15200	50900	28800	6590	5100	3530	2860	2320
18	4340	10400	7300	8440	15900	58900	25800	6220	4870	3350	2950	2330
19	4120	9110	6910	7870	16700	69800	24400	6150	4720	4440	2970	2300
20	4220	8050	6700	7750	17200	80500	23900	6510	4520	5030	3020	2260
21	4050	7840	6980	8990	17100	84400	24200	7200	4460	4500	3100	2230
22	3970	7430	6590	10100	16400	81700	24500	7890	4680	4330	3180	2200
23	4140	7100	6360	11000	16100	75600	25200	8910	4760	4160	3290	2210
24	4070	6800	6300	12000	15900	67900	26400	10000	4760	4030	3300	2270
25	4360	6500	6250	13200	15300	60400	27700	11400	5540	4030	3090	2400
26	4720	6200	5850	14600	14500	54300	27900	13300	6970	4020	2890	2450
27	4160	5900	5430	16700	14000	49800	26900	15000	8060	4020	2790	2390
28	3810	5580	5160	19100	14000	46700	24700	17000	9070	4030	2680	2410
29	3660	6910	5030	21600	13900	44700	21600	19000	9900	4010	2570	2400
30	3420	8050	5060	23600	---	45200	18500	20900	10800	4070	2540	2430
31	3240	---	6000	24600	---	46700	---	22300	---	4050	2520	---
TOTAL	189290	204310	218750	334850	461200	1187200	1183500	345530	307320	187530	94650	74030
MEAN	6106	6810	7056	10800	15900	38300	39450	11150	10240	6049	3053	2468
MAX	9900	10500	9050	24600	23800	84400	66600	22300	26500	14200	3870	2740
MIN	3240	3120	5030	6270	12300	10900	18500	6150	4460	3350	2520	2200
CFSM	.53	.59	.61	.93	1.37	3.30	3.40	.96	.88	.52	.26	.21
IN.	.61	.66	.70	1.07	1.48	3.81	3.80	1.11	.99	.60	.30	.24

CAL YR 1979 TOTAL 4178640 MEAN 11450 MAX 75500 MIN 2560 CFSM .99 IN 13.40
WTR YR 1980 TOTAL 4788160 MEAN 13080 MAX 84400 MIN 2200 CFSM 1.13 IN 15.36

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 1970 to current year.
PERIOD OF DAILY RECORD.—
CHLORIDE: May 1970 to August 1975.
SPECIFIC CONDUCTANCE: June 1971 to September 1976.
pH: October 1971 to September 1976.
WATER TEMPERATURES: December 1970 to September 1976.
DISSOLVED OXYGEN: May 1971 to September 1976.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 01...	1430	8170	7.4	29.0	26.5	7.0
NOV 05...	1500	5400	7.3	23.0	19.0	8.9
DEC 03...	1500	8790	7.2	10.0	9.5	9.0
JAN 08...	1610	8440	7.4	14.0	10.0	10.2
APR 03...	1040	48000	6.5	22.0	17.5	7.2
MAY 19...	1500	6080	6.7	33.5	27.0	7.3
JUN 17...	1445	5210	7.0	34.0	29.0	7.0
JUL 23...	1245	4130	7.3	36.0	31.0	6.6
AUG 19...	0745	2940	7.2	25.0	28.5	7.3
SEP 17...	0730	2330	7.5	25.0	27.5	7.2

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 01...	100	75	23	1.8	230	26	.37	<.020	.080	8.0
NOV 05...	112	40	15	1.0	90	34	.22	<.020	.050	<1.0
DEC 03...	88	40	30	1.5	930	26	.33	.030	.140	1.5
JAN 08...	86	60	33	.8	430	26	.16	.040	.060	1.0
APR 03...	46	100	15	.7	70	14	.10	.020	.040	11
MAY 19...	90	40	20	.8	70	29	.36	<.020	.080	9.0
JUN 17...	92	45	20	.8	930	28	.42	<.020	.060	1.0
JUL 23...	100	40	19	1.3	40	30	.34	<.020	.050	2.0
AUG 19...	136	30	8	3.1	40	35	.41	.020	.060	2.0
SEP 17...	132	20	3	1.6	<30	41	.34	.020	.060	1.5

02225282 CROOKED CREEK NEAR SWAINSBORO, GA.

LOCATION.--Lat 32°34'26", long 82°19'56", Emanuel County, Hydrologic Unit 03070107, at culvert on county road 1 mi (1.6 km) west of U.S. Highway 1, 1.5 mi (2.4 km) southwest of Swainsboro, and 4.2 mi (6.8 km) upstream of Yam Grandy Creek.
DRAINAGE AREA.--2.1 mi2 (5.4 km2).
PERIOD OF RECORD.--July 1979 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 05...	0845	1.3	7.4	14.0	19.5	6.5
NOV 08...	1000	4.0	7.8	17.5	15.5	7.7
DEC 06...	1315	15	7.3	10.5	11.5	7.7
JAN 10...	1100	.86	7.0	9.0	10.5	7.0
APR 01...	1145	--	6.9	20.0	17.0	8.6
MAY 22...	1045	2.9	7.2	22.5	25.0	5.6
JUN 19...	1330	2.2	7.5	30.0	28.0	5.0
JUL 24...	0930	.52	7.6	27.0	27.0	4.2
AUG 20...	1115	2.5	7.7	35.5	30.0	5.6
SEP 19...	1015	2.1	7.0	31.0	27.5	4.6

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	218	100	23	3.2	4300	75	.67	.890	.800	17
NOV 08...	674	50	23	14	2400000	278	.15	10.200	3.500	13
DEC 06...	396	50	21	12	43000	139	4.2	1.790	.070	38
JAN 10...	124	70	13	1.4	930	27	.13	.200	.210	7.0
APR 01...	80	60	13	1.4	4300	16	.14	.050	.120	10
MAY 22...	635	40	32	27	40	258	4.4	5.250	2.800	52
JUN 19...	410	45	14	>14	4300	173	.53	1.850	2.340	35
JUL 24...	550	40	18	>16	430	194	.90	3.600	2.100	20
AUG 20...	590	100	17	28	150	232	.80	1.900	1.960	74
SEP 19...	515	40	10	21	15000	218	.26	3.500	3.300	18

02225470 PENDLETON CREEK NEAR OHOOPEE, GA.

LOCATION.--Lat 32°09'36", long 82°12'43", Toombs County, Hydrologic Unit 03070107, at bridge on State Route 86, 1.5 mi (2.4 km) south of Ohoopee, and 1.6 mi (2.6 km) upstream of Ohoopee River.

DRAINAGE AREA.--300 mi^2 (778 km^2).

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 05...	0745	210	5.6	14.5	20.0	7.2
NOV 08...	0915	19	6.3	8.5	13.0	7.8
DEC 06...	1145	56	5.8	9.5	7.0	8.5
JAN 10...	1010	125	6.2	9.0	10.0	9.0
APR 01...	1215	1700	5.4	21.0	18.0	6.9
MAY 22...	0945	23	5.7	28.0	22.5	6.0
JUN 19...	1230	6.0	5.8	30.0	25.5	5.3
JUL 23...	1400	--	6.5	35.0	28.0	5.3
AUG 20...	1015	2.5	6.2	32.0	28.0	2.4
SEP 19...	0900	--	5.8	28.0	24.5	1.4

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	47	140	10	1.0	1500	6	.04	<.020	.060	17
NOV 08...	60	100	5	.8	40	8	.10	<.020	.060	10
DEC 06...	45	80	9	.8	150	4	.14	<.020	<.020	11
JAN 10...	49	60	5	1.7	280	4	.10	<.020	--	8.0
APR 01...	30	100	8	.7	930	3	.02	<.020	.030	16
MAY 22...	41	90	5	.9	930	5	.37	.020	.080	9.0
JUN 19...	41	65	4	1.0	<30	5	.04	<.020	.090	6.0
JUL 23...	42	60	10	1.3	160	8	<.02	<.020	.050	6.0
AUG 20...	41	50	3	1.0	90	5	<.02	.020	.050	5.0
SEP 19...	35	25	1	.9	430	5	<.02	.060	.030	3.0

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.

LOCATION.—Lat 32°04'42", long 82°10'39", Tattnall County, Hydrologic Unit 03070107, on downstream side of pier near center of span of bridge on State Highway 56, 0.5 mi (0.8 km) downstream from Brazells Creek, 1.5 mi (2.4 km) downstream from Rocky Creek, 3.5 mi (5.6 km) west of Reidsville, 6 mi (9.7 km) downstream from Pendleton Creek, and 14 mi (22 km) upstream from mouth.

DRAINAGE AREA.—1,110 mi^2 (2,870 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1903 to December 1907, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.—WSP 822: Drainage area. WSP 892: 1938(M). WSP 1504: 1905.

GAGE.—Water-stage recorder. Datum of gage is 73.8 ft (22.49 m), National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Feb. 15, 1941, nonrecording gage at same site, at different datum June 13, 1903, to Dec. 31, 1907, and at same datum May 25, 1937, to Feb. 15, 1941.

REMARKS.—Records good. Records of chemical analyses for the water years 1968-79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—47 years, 999 ft^3/s (28.3 m^3/s), 12.22 in/yr (310 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 24,400 ft^3/s (691 m^3/s) Mar. 6, 1966, gage height, 23.34 ft (7.114 m); minimum daily, 19 ft^3/s (0.54 m^3/s) Sept. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, 28.4 ft (8.66 m) in January 1925, from information furnished by Georgia Department of Transportation; discharge, 47,000 ft^3/s (1,330 m^3/s).

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 3,800 ft^3/s (108 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 17	1200	*18000	510	20.87	6.361
Apr. 2	1900	9580	271	16.80	5.121

Minimum discharge, 23 ft^3/s (0.65 m^3/s) Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1400	116	332	529	1430	1100	8470	874	581	117	40	26
2	1260	111	321	502	1450	1070	9350	784	472	102	37	26
3	1230	137	311	482	1440	972	8910	707	394	89	35	25
4	1390	214	301	489	1420	854	7530	645	335	79	34	24
5	1530	174	293	519	1360	780	6310	599	279	71	33	24
6	1560	151	352	545	1270	810	5630	562	237	65	31	24
7	1400	156	559	560	1170	912	5770	536	203	62	31	24
8	1150	154	634	575	1090	1010	5760	516	179	58	29	24
9	1040	145	622	600	1040	1210	5120	488	160	54	29	31
10	965	139	652	613	1140	1490	4430	478	145	52	33	43
11	835	161	692	599	1320	1750	4010	467	135	49	32	41
12	695	346	695	586	1390	1940	3710	469	125	47	30	35
13	581	541	647	581	1400	2660	3490	501	116	45	31	33
14	496	664	575	573	1430	4210	3250	477	109	43	31	31
15	433	868	560	560	1450	8020	3060	418	104	41	30	29
16	387	1160	889	547	1470	13900	2910	368	99	40	31	27
17	348	1420	1020	531	1520	17600	2800	333	95	39	30	26
18	313	1410	837	523	1530	15900	2610	312	93	37	30	26
19	271	1110	699	546	1480	12000	2420	315	94	36	30	26
20	237	843	604	585	1430	8390	2260	463	91	35	29	27
21	220	688	534	602	1330	6140	2090	386	91	34	30	27
22	205	598	488	602	1210	5320	2040	317	92	34	34	27
23	190	539	456	646	1100	5280	2150	287	87	34	39	28
24	177	500	442	788	1010	5320	2090	286	85	35	37	28
25	167	467	467	895	941	5070	1800	491	83	37	32	34
26	156	434	490	959	914	4630	1500	740	83	39	30	35
27	147	403	484	1120	934	4210	1320	964	83	45	29	33
28	139	382	489	1270	1000	3990	1170	1220	88	49	28	32
29	132	364	509	1320	1070	4010	1060	1470	105	50	27	34
30	127	347	518	1340	---	4700	967	1210	121	48	27	36
31	121	---	536	1390	---	6640	---	790	---	44	26	---
TOTAL	19302	14742	17008	21977	36739	151888	113987	18473	4964	1610	975	886
MEAN	623	491	549	709	1267	4900	3800	596	165	51.9	31.5	29.5
MAX	1560	1420	1020	1390	1530	17600	9350	1470	581	117	40	43
MIN	121	111	293	482	914	780	967	286	83	34	26	24
CFSM	.56	.44	.50	.64	1.14	4.41	3.42	.54	.15	.05	.03	.03
IN.	.65	.49	.57	.74	1.23	5.09	3.82	.62	.17	.05	.03	.03

CAL YR 1979 TOTAL 419324 MEAN 1149 MAX 14400 MIN 92 CFSM 1.04 IN 14.05
WTR YR 1980 TOTAL 402551 MEAN 1100 MAX 17600 MIN 24 CFSM .99 IN 13.49

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.—Continued

PERIOD OF RECORD.—February 1968 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
09...	1725	1020	19.5	6	17
NOV					
21...	1600	674	13.0	8	15
JAN					
17...	1010	534	11.0	3	4.3
FEB					
26...	1825	912	14.0	12	30
MAR					
16...	1450	14800	15.5	49	1960
APR					
08...	1805	5660	20.0	218	3330
MAY					
30...	1015	1280	22.0	15	52
JUL					
02...	1155	103	28.0	6	1.7
AUG					
12...	0905	30	29.0	9	.73
SEP					
23...	0910	28	26.5	6	.45

02225990 ALTAMAHA RIVER NEAR JESUP, GA.

LOCATION.--Lat 31°39'59", long 81°50'19", Wayne-Long County line, Hydrologic Unit 03070106, at bridge on U.S. Highways 25, 82, and 301, 5 mi (8.0 km) northeast of Jesup.

DRAINAGE AREA.--13,600 mi2 (35,200 km2), approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
10...	1045	10300	7.2	21.5	21.0	7.5
NOV						
07...	1300	6170	7.1	19.5	18.0	8.5
DEC						
05...	1300	9180	7.1	14.5	9.5	10.9
JAN						
23...	1200	10600	7.0	10.5	12.5	10.1
FEB						
27...	1230	18800	6.7	10.5	12.0	9.2
MAR						
19...	1230	72900	6.4	23.0	14.5	8.3
APR						
09...	1115	80000	6.4	25.0	18.0	7.1
MAY						
07...	1215	14100	6.9	29.0	22.0	6.9
JUN						
04...	1200	27000	6.7	34.0	25.0	6.1
JUL						
09...	1215	7720	6.7	32.0	30.0	5.8
AUG						
06...	1300	3900	7.5	32.0	32.0	--
SEP						
09...	1130	2890	7.5	27.5	28.5	7.4

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT												
10...	76	100	18	.6	40	21	19	.25	.040	.060	7.0	1.3
NOV												
07...	104	40	20	.3	<30	34	19	.38	<.020	.090	10	--
DEC												
05...	45	80	29	--	430	25	18	.33	.040	.090	<1.0	--
JAN												
23...	115	80	29	1.9	390	28	25	.39	<.020	.070	4.0	1.3
FEB												
27...	76	60	20	1.1	70	19	13	.20	<.020	.040	7.0	--
MAR												
19...	44	150	35	1.0	90	9	7	.07	<.020	.060	10	1.7
APR												
09...	47	120	24	.8	135	13	2	.10	.020	.030	7.5	1.4
MAY												
07...	71	70	23	.7	40	22	12	.35	<.020	.060	3.0	1.2
JUN												
04...	57	100	20	.8	90	17	8	.19	<.020	.060	6.0	1.6
JUL												
09...	75	50	25	.6	350	23	17	.28	.020	.080	3.0	<1.0
AUG												
06...	60	30	19	.7	<30	28	14	.19	.040	.060	4.0	<.5
SEP												
09...	108	100	42	.7	<30	34	93	.22	.020	.080	4.0	<1.0

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.

LOCATION.--Lat 31°39'16", long 81°49'41", Wayne-Long County line, Hydrologic Unit 03070106, on right bank 60 ft (18 m) downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 mi (7.2 km) northeast of Jesup, and at mile 64.5 (103.8 km).

DRAINAGE AREA.--13,600 mi2 (35,200 km2), approximately.

PERIOD OF RECORD.--October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.48 ft (7.462 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 5, 1934, nonrecording gage, and Sept. 5, 1934, to Sept. 30, 1975, water-stage recorder at same site at datum 4.0 ft (1.22 m) higher.

REMARKS.--Records good. Records of chemical analyses for the water years 1967-77 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--49 years, 13,880 ft3/s (393 m3/s), 13.86 in/yr (352 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft3/s (5,040 m3/s) Apr. 18, 1936, gage height, 16.03 ft (4.886 m), present datum; minimum, 1,430 ft3/s (40.5 m3/s) Oct. 27, 28, Nov. 1, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1800, 18.6 ft (5.67 m), present datum, Jan. 23, 1925, discharge, 300,000 ft3/s (8,500 m3/s), from rating curve extended above 180,000 ft3/s (5,100 m3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 30,000 ft3/s (850 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 23	0700	*99200	2810	14.53	4.429
Apr. 10	1600	82200	2330	13.84	4.218

Minimum discharge, 2,490 ft3/s (70.5 m3/s) Sept. 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13400	3820	7850	6640	26400	17000	56600	26200	19600	9730	4460	2900
2	13400	3700	8450	7610	28200	16800	59300	23400	22300	10700	4300	2860
3	13400	3700	8720	8100	28800	16400	62000	20600	24800	11700	4120	2820
4	13300	4140	8930	7750	28200	15600	63200	18500	27000	12700	4150	2810
5	13100	4780	9160	7390	26800	14500	63500	17000	27900	13500	4080	2810
6	13000	5330	9610	7340	25400	14000	65400	15600	26700	14000	3920	2860
7	13200	6120	10200	7820	24000	14100	70300	14100	24300	13300	3780	2910
8	13000	6830	10300	8450	22700	14400	75800	12500	21700	10500	3680	2890
9	11900	7170	10100	8950	21300	14300	80100	11000	19400	7770	3570	2880
10	10200	6800	9590	9160	20300	14900	81600	10100	17000	6190	3490	2900
11	9250	6340	9480	9180	18800	15700	79700	9910	13200	5320	3530	2950
12	8780	6450	9770	9200	17800	16900	75100	9900	8960	5040	3480	2930
13	8450	6730	9420	9480	17100	20800	68800	9680	7340	5170	3390	2910
14	8210	7370	8840	9880	16700	25200	61700	9190	6480	5170	3330	2900
15	7960	8370	8580	10100	16500	28000	54000	8520	5880	4960	3260	2870
16	7670	9360	8220	10100	16800	32400	47800	8090	5550	4570	3120	2790
17	7290	10400	8180	9850	17200	41400	42800	7980	5600	4230	3180	2710
18	6490	11500	8750	9700	17700	57700	38600	7550	5590	3960	3320	2670
19	5590	12200	8970	9550	18300	72700	35400	7060	5390	3770	3350	2660
20	5080	12100	8670	9140	19000	83500	32400	6930	5200	4050	3350	2620
21	4980	10700	8210	8830	19700	91600	30100	7280	5000	4940	3390	2560
22	4850	9390	8090	9200	20400	97000	28800	7860	4930	4970	3430	2550
23	4720	8710	7840	10500	20700	98400	28100	8320	5110	4760	3530	2550
24	4740	8030	7530	11800	20400	96800	27900	8860	5230	4720	3600	2510
25	4690	7450	7420	12900	19900	92300	28100	9460	5260	4610	3620	2520
26	4800	7110	7340	14600	19400	85400	28700	10400	5640	4550	3520	2610
27	5070	6700	7170	16500	18800	77200	29800	11700	6620	4500	3330	2700
28	4830	6240	6770	18100	18100	69400	30400	13100	7530	4520	3210	2780
29	4440	6160	6400	19800	17400	62200	30000	14500	8280	4520	3120	2770
30	4210	6890	6220	21800	---	58300	28600	15900	8980	4470	3030	2740
31	4010	---	6190	24200	---	56000	---	17500	---	4480	2980	---
TOTAL	254010	220590	260970	343620	602800	1430900	1504600	378690	362470	207370	109620	82940
MEAN	8194	7353	8418	11080	20790	46160	50150	12220	12080	6689	3536	2765
MAX	13400	12200	10300	24200	28800	98400	81600	26200	27900	14000	4460	2950
MIN	4010	3700	6190	6640	16500	14000	27900	6930	4930	3770	2980	2510
CFSM	.60	.54	.62	.82	1.53	3.39	3.69	.90	.89	.49	.26	.20
IN.	.69	.60	.71	.94	1.65	3.91	4.12	1.04	.99	.57	.30	.23

CAL YR 1979 TOTAL 5235060 MEAN 14340 MAX 89500 MIN 3260 CFSM 1.05 IN 14.32
WTR YR 1980 TOTAL 5758580 MEAN 15730 MAX 98400 MIN 2510 CFSM 1.16 IN 15.75

02226010 ALTAMAHA RIVER NEAR GARDI, GA.

LOCATION.—Lat 31°37'24", long 81°45'55", Wayne-Long County line, Hydrologic Unit 03070106, 6 mi (10 km) northeast of Gardi, 7 mi (11 km) downstream from Doctortown, and 9 mi (14 km) upstream from Penholoway Creek.

DRAINAGE AREA.—13,600 mi2 (35,200 km2), approximately.

PERIOD OF RECORD.—November 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 10...	1000	10800	7.3	21.5	21.0	6.8
NOV 07...	1230	5940	7.3	19.5	18.0	7.9
DEC 05...	1230	9120	7.2	14.5	10.0	10.6
JAN 23...	1130	10200	7.0	10.5	12.5	9.7
FEB 27...	1200	19000	7.0	10.5	12.0	9.3
MAR 19...	1200	69400	6.5	23.0	14.5	8.7
APR 09...	1145	79800	6.4	25.0	18.0	7.2
MAY 07...	1130	14400	6.9	29.0	22.0	6.6
JUN 04...	1130	26400	7.0	34.0	25.0	6.1
JUL 09...	1145	8260	7.1	32.0	30.0	5.3
AUG 06...	1230	3940	7.5	32.5	32.0	--
SEP 09...	1100	2880	7.5	27.5	29.0	7.2

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)
OCT 10...	100	160	15	--	.6	40	25
NOV 07...	150	80	19	--	.5	<60	36
DEC 05...	110	90	30	--	--	750	31
JAN 23...	81	70	34	--	1.1	2300	24
FEB 27...	96	70	19	--	1.2	95	20
MAR 19...	45	150	36	--	1.5	150	9
APR 09...	48	120	19	--	.6	930	12
MAY 07...	86	80	21	--	.5	<30	25
JUN 04...	68	110	20	--	.8	390	18
JUL 09...	112	80	22	14	1.4	4300	27
AUG 06...	106	50	19	29	1.0	40	37
SEP 09...	118	40	9	11	1.6	<30	37

02226010 ALTAMAHA RIVER NEAR GARDI, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT 10...	21	.25	.020	--	.070	8.0	2.0
NOV 07...	20	.38	<.020	--	.090	12	--
DEC 05...	14	.33	.040	--	.100	2.0	--
JAN 23...	26	.40	.040	--	.070	7.0	.6
FEB 27...	10	.16	<.020	--	.060	8.0	--
MAR 19...	11	.05	.020	--	.070	13	1.9
APR 09...	3	.16	.020	--	.030	7.5	1.4
MAY 07...	10	.34	.040	--	.060	3.5	1.6
JUN 04...	12	.17	.020	--	.070	6.5	.9
JUL 09...	14	.24	.020	.38	.090	5.0	1.1
AUG 06...	13	.19	.080	.30	.080	6.0	.8
SEP 09...	15	.02	.020	<.10	.060	14	<1.0

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.

LOCATION.—Lat 31°34'00", long 81°50'18", Wayne County, Hydrologic Unit 03070106, on downstream side of bridge on U.S. Highway 341, 4 mi (6.4 km) southeast of Jesup, and about 9.5 mi (15.3 km) upstream from mouth.

DRAINAGE AREA.—210 mi2 (540 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1958 to current year.

GAGE.—Water-stage recorder. Datum of gage is 19.09 ft (5.819 m) National Geodetic Vertical Datum of 1929. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi (4.0 km) downstream.

REMARKS.—Records good except those below 20 ft3/s (0.57 m3/s), which are fair.

AVERAGE DISCHARGE.—22 years, 209 ft3/s (5.92 m3/s), 13.52 in/yr (343 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 4,420 ft3/s (125 m3/s) Sept. 30, 1979, gage height, 14.96 ft (4.560 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,100 ft3/s (31.2 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Mar. 14	0100	*3250	92.0	13.78	4.200	Apr. 1	1100	1140	32.3	11.36	3.463

Minimum daily discharge, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4070	6.1	19	60	510	50	1130	126	3.3	.03	.36	5.0
2	3500	8.7	21	52	432	47	1060	101	2.1	.00	.01	3.4
3	2950	10	18	47	375	40	928	82	1.4	.00	.00	1.6
4	2430	8.8	15	44	339	36	890	68	1.2	.00	.00	1.1
5	1930	9.6	15	42	300	34	1090	56	1.0	.00	.00	.20
6	1500	17	52	37	261	47	1030	50	.90	.00	.00	.03
7	1190	24	185	36	224	52	938	42	.80	1.4	5.2	1.2
8	918	23	251	34	196	53	809	32	.60	4.4	15	3.3
9	714	18	265	32	171	62	725	37	.40	3.5	11	1.6
10	548	11	302	31	200	417	684	43	.20	1.1	9.2	1.1
11	432	12	318	31	243	1220	599	39	.10	.21	18	.45
12	350	27	293	40	259	1360	511	42	.10	.03	30	.52
13	281	31	247	49	257	2690	438	38	.38	.00	38	.06
14	210	40	205	68	243	3140	408	31	.20	.00	36	.03
15	161	45	187	74	216	2730	408	21	.07	.00	32	.01
16	128	47	179	82	190	2220	405	16	.15	.00	20	.00
17	105	43	175	92	184	1740	391	15	.02	.00	16	.00
18	89	36	166	90	174	1420	363	15	.02	.00	28	.00
19	75	29	153	86	162	1170	350	12	.03	.00	42	.00
20	61	24	138	78	150	942	376	20	4.4	.00	38	.00
21	49	20	120	69	135	770	426	29	.37	.00	28	.00
22	38	18	108	60	118	618	460	31	.22	.01	32	.00
23	30	15	99	134	104	488	469	36	.15	.04	34	.00
24	25	13	92	243	97	399	416	35	.07	1.5	31	.00
25	22	12	90	273	95	337	358	37	.50	4.3	23	.00
26	17	21	86	326	82	299	305	34	3.2	5.5	20	.00
27	13	20	83	615	76	276	254	27	1.6	4.8	16	.00
28	10	20	82	816	68	269	206	20	.68	2.9	12	.00
29	7.3	20	76	840	58	269	176	14	.21	1.4	11	.50
30	5.4	19	70	762	---	495	152	9.2	.12	2.5	9.0	.20
31	4.3	---	66	630	---	1020	---	6.1	---	.97	6.8	---
TOTAL	21863.0	648.2	4176	5873	5919	24710	16755	1164.3	24.49	34.59	561.57	20.30
MEAN	705	21.6	135	189	204	797	559	37.6	.82	1.12	18.1	.68
MAX	4070	47	318	840	510	3140	1130	126	4.4	5.5	42	5.0
MIN	4.3	6.1	15	31	58	34	152	6.1	.02	.00	.00	.00
CFSM	3.36	.10	.64	.90	.97	3.80	2.66	.18	.004	.005	.09	.003
IN.	3.87	.11	.74	1.04	1.05	4.38	2.97	.21	.00	.01	.10	.00

CAL YR 1979 TOTAL 84345.16 MEAN 231 MAX 4370 MIN .00 CFSM 1.10 IN 14.94

WTR YR 1980 TOTAL 81749.45 MEAN 223 MAX 4070 MIN .00 CFSM 1.06 IN 14.48

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 1972 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 03...	0830	3030	4.0	21.5	23.5	4.5
NOV 06...	1030	17	4.0	20.5	16.0	6.5
07...	1130	24	4.0	--	15.0	7.6
DEC 04...	1420	15	4.3	9.5	8.0	8.4
JAN 09...	1110	32	4.3	18.5	10.5	8.0
MAR 19...	1100	1180	4.2	25.0	16.0	7.3
APR 02...	1110	1060	4.0	--	18.0	6.2
MAY 07...	1030	44	4.1	30.0	20.0	6.4
JUN 04...	1000	1.2	4.0	32.0	25.5	3.4
JUL 09...	1100	3.5	6.3	33.0	28.5	4.2
AUG 06...	1100	.00	5.7	33.0	29.5	3.4
SEP 09...	1000	1.6	4.2	27.0	25.0	5.8

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT 03...	45	400	8	--	1.3	<30	--	--	--	--
NOV 06...	54	550	8	--	.5	430	--	--	--	--
07...	60	450	--	6.0	--	--	6	6	1.1	.8
DEC 04...	53	300	8	--	2.0	90	--	--	--	--
JAN 09...	82	210	5	--	.4	40	--	--	--	--
MAR 19...	47	260	6	--	.9	90	--	--	--	--
APR 02...	40	240	5	--	.7	430	--	--	--	--
MAY 07...	57	500	9	5.9	1.4	<30	5	5	1.0	.5
JUN 04...	43	550	6	--	1.5	40	--	--	--	--
JUL 09...	94	240	15	--	>6.7	30	--	--	--	--
AUG 06...	43	250	16	--	4.3	230	--	--	--	--
SEP 09...	44	200	3	--	1.3	90	--	--	--	--

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT										
03...	--	--	--	--	--	--	--	--	<.02	<.020
NOV										
06...	--	--	--	--	--	--	--	--	<.02	<.020
07...	3.7	.6	0	7.0	9.5	.0	6.8	96	.02	.100
DEC										
04...	--	--	--	--	--	--	--	--	<.02	.030
JAN										
09...	--	--	--	--	--	--	--	--	.04	.050
MAR										
19...	--	--	--	--	--	--	--	--	<.02	<.020
APR										
02...	--	--	--	--	--	--	--	--	<.02	<.020
MAY										
07...	4.6	.5	0	9.3	9.1	.0	4.5	99	<.02	.130
JUN										
04...	--	--	--	--	--	--	--	--	<.02	.330
JUL										
09...	--	--	15	--	--	--	--	--	.24	.200
AUG										
06...	--	--	5	--	--	--	--	--	.04	.040
SEP										
09...	--	--	<1	--	--	--	--	--	<.02	<.020

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
03...	--	--	--	--	--	.020	--	--	37
NOV									
06...	--	--	--	--	--	--	--	--	38
07...	1.2	1.3	.00	1.4	1.3	.020	.06	.010	29
DEC									
04...	--	--	--	--	--	.030	--	--	30
JAN									
09...	--	--	--	--	--	<.020	--	--	23
MAR									
19...	--	--	--	--	--	.130	--	--	38
APR									
02...	--	--	--	--	--	.020	--	--	30
MAY									
07...	1.3	1.4	.43	.97	1.4	.040	.09	.030	43
JUN									
04...	--	--	--	--	--	.070	--	--	37
JUL									
09...	--	--	--	--	--	.810	--	--	27
AUG									
06...	--	--	--	--	--	.100	--	--	31
SEP									
09...	--	--	--	--	--	.020	--	--	29

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)
NOV												
07...	590	1	0	2	10	2	1100	3	30	<.1	0	30
MAY												
07...	610	0	1	2	<10	8	1100	5	10	.3	0	60

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE, WATER (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
OCT					
10...	1730	454	19.5	5	6.1
JAN					
04...	1230	44	8.0	3	.36
17...	1455	91	13.0	3	.74
FEB					
27...	1230	77	9.5	11	2.3
MAR					
14...	1340	3140	14.5	13	110
APR					
11...	1120	600	18.0	11	18

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.

(National stream-quality accounting network station)
(Radiochemical program station)
(National Pesticide water monitoring program)

LOCATION.--Lat 31°25'37", long 81°36'20", Glynn-McIntosh County line, Hydrologic Unit 03070106, at Seaboard Coast Line Railroad bridge, 3 mi (5 km) northeast of Everett City, and 15 mi (24 km) northwest of Brunswick.

DRAINAGE AREA.--14,000 mi^2 (36,300 km^2), approximately.

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1969 to current year.
pH: November 1969 to current year.
WATER TEMPERATURES: October 1969 to current year.
DISSOLVED OXYGEN: April 1970 to current year.

REMARKS.--Prior to 1978, water-quality samples for the National stream-quality accounting network, Radiochemical program, and National Pesticide water monitoring program were collected at, and published for, the Altamaha River at Doctortown, Ga. (station number 02226000).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 304 micromhos Oct. 27, 1978; minimum recorded, 32 micromhos Apr. 9, 1973.
pH: Maximum recorded, 8.9 units Oct. 21, 22, 1971; minimum recorded, 5.3 units Dec. 12, 1976.
WATER TEMPERATURE: Maximum recorded, 32.5°C July 9-15, 1977, Aug. 2-6, 8, 9, 1980; minimum recorded, 3.0°C Jan. 10, 11, 1970, Jan. 20, 21, 1977.
DISSOLVED OXYGEN: Maximum recorded, 12.3 mg/L Feb. 3, 10, 11, 1977; minimum recorded, 2.7 mg/L Oct. 8, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 245 micromhos Sept. 29; minimum, 45 micromhos Mar. 22-25.
pH: Maximum recorded, 8.0 units Sept. 6; minimum, 6.2 units Mar. 20.
WATER TEMPERATURE: Maximum recorded, 32.5°C Aug. 2-6, 8, 9; minimum, 7.0°C Feb. 4-9.
DISSOLVED OXYGEN: Maximum recorded, 10.4 mg/L Jan. 7, 8, Feb. 9, Mar. 4, 5; minimum recorded, 4.7 mg/L Oct. 2.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT							
10...	0830	12100	82	6.9	--	20.5	6.5
NOV							
07...	1000	5260	166	--	--	18.0	7.7
14...	1200	6720	137	7.4	13.5	17.0	8.2
DEC							
05...	1100	8920	112	7.1	--	9.5	10.3
19...	1145	8760	109	7.1	10.0	10.5	9.6
JAN							
16...	1250	10100	109	7.2	19.0	11.0	9.8
23...	0930	9080	115	6.8	--	13.5	9.5
FEB							
13...	1030	17800	79	6.6	10.0	8.5	10.2
27...	0900	19400	79	6.9	9.5	12.0	9.2
MAR							
19...	0930	55900	57	6.4	18.0	15.0	8.3
APR							
09...	1245	76400	54	6.5	25.0	18.5	7.1
MAY							
07...	0830	15800	78	6.9	24.0	21.0	6.6
JUN							
04...	0830	24500	74	6.8	28.0	24.5	5.8
JUL							
09...	0830	11100	98	6.8	27.0	28.5	5.4
AUG							
06...	0830	4100	169	7.4	29.0	31.5	5.7
SEP							
09...	0800	2890	150	7.5	28.0	29.0	7.1

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT										
10...	--	--	15	--	--	87	63	20	3	5.8
NOV										
07...	--	23	--	--	--	65	--	35	0	--
14...	70	14	--	.5	160	--	--	--	--	--
DEC										
05...	--	32	20	--	--	460	38	27	1	7.8
19...	100	18	--	.7	290	--	--	--	--	--
JAN										
16...	60	8	--	.6	230	--	--	--	--	--
23...	--	--	8.0	--	--	50	36	26	0	7.5
FEB										
13...	70	21	--	1.6	90	--	--	--	--	--
27...	80	19	4.0	1.1	40	87	12	18	0	5.3
MAR										
19...	135	25	17	1.8	430	120	50	13	0	3.6
APR										
09...	120	20	6.5	.7	430	330	26	15	5	4.1
MAY										
07...	90	20	20	.6	40	50	17	23	2	6.6
JUN										
04...	135	20	17	.5	150	260	410	19	5	5.4
JUL										
09...	60	20	18	.9	2900	61	300	23	1	6.4
AUG										
06...	80	19	14	.7	40	8	60	30	0	8.7
SEP										
09...	40	8	2.7	1.0	<30	K4	63	39	0	12

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT										
10...	1.3	8.8	1.6	17	8.8	8.4	.1	11	80	58
NOV										
07...	--	--	2.3	--	--	--	--	--	--	100
14...	--	--	--	31	--	13	--	--	--	--
DEC										
05...	1.8	13	2.2	26	11	10	.1	13	87	76
19...	--	--	--	26	--	10	--	--	--	--
JAN										
16...	--	--	--	26	--	20	--	--	--	--
23...	1.7	13	1.5	32	12	11	.1	12	105	80
FEB										
13...	--	--	--	20	--	9.0	--	--	--	--
27...	1.2	7.5	1.5	19	7.1	--	.1	8.5	67	--
MAR										
19...	1.0	5.4	1.4	10	5.7	5.7	.1	7.0	62	38
APR										
09...	1.1	4.2	1.3	14	4.4	4.0	.1	7.3	58	35
MAY										
07...	1.6	6.7	1.6	22	6.2	5.0	.1	9.6	68	53
JUN										
04...	1.3	6.7	1.5	18	7.7	7.0	.1	9.4	64	47
JUL										
09...	1.6	9.4	2.0	24	9.0	7.0	.1	12	76	63
AUG										
06...	2.1	21	2.3	37	17	16	.2	12	115	101
SEP										
09...	2.1	15	2.2	42	16	10	.2	12	110	95

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT										
10...	2610	.14	.070	.66	.73	.12	.61	.87	3.9	.060
NOV										
07...	1420	--	.070	.33	--	.07	--	.76	3.4	--
14...	--	.43	.220	--	--	--	--	--	--	.070
DEC										
05...	2100	.26	.030	.78	.81	.44	.37	1.1	4.7	.080
19...	--	.22	.020	--	--	--	--	--	--	.030
JAN										
16...	--	.30	.040	--	--	--	--	--	--	.050
23...	2570	.30	.070	.56	.63	.24	.39	.93	4.1	.060
FEB										
13...	--	.16	.020	--	--	--	--	--	--	.030
27...	3510	.14	.030	.40	.43	--	--	.57	2.5	.040
MAR										
19...	9360	.07	.040	.52	.56	.15	.41	.63	2.8	.110
APR										
09...	12000	.12	.030	.28	.31	.06	.25	.43	1.9	.030
MAY										
07...	2900	.27	<.020	.30	.32	.00	--	.59	2.6	.060
JUN										
04...	4230	.16	.020	1.2	1.2	.46	.74	1.4	6.0	.050
JUL										
09...	2280	.20	.060	.35	.41	.13	.28	.61	2.7	.080
AUG										
06...	1270	.21	.050	.18	.23	.03	.20	.44	1.9	.080
SEP										
09...	858	.22	<.020	.37	.41	.16	.25	.63	2.8	.060

DATE	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT										
10...	.030	--	16	.6	--	--	--	6	196	96
NOV										
07...	--	5.9	--	--	1200	--	--	23	327	88
14...	--	4.0	--	--	--	--	--	--	--	--
DEC										
05...	.040	5.2	--	--	--	.000	.000	27	650	95
19...	--	4.0	--	--	--	--	--	--	--	--
JAN										
16...	--	4.0	--	--	--	--	--	--	--	--
23...	.030	--	8.4	.4	--	.000	.000	21	515	70
FEB										
13...	--	9.0	--	--	--	--	--	--	--	--
27...	.020	4.5	--	--	--	--	--	8	419	92
MAR										
19...	.040	11	--	--	520	--	--	21	3170	63
APR										
09...	.020	9.0	9.4	.2	--	.000	.000	17	3510	75
MAY										
07...	.050	6.4	--	--	770	--	--	9	384	96
JUN										
04...	.050	11	--	--	1900	--	--	16	1060	75
JUL										
09...	.020	--	4.7	.1	170	--	--	19	569	89
AUG										
06...	.070	5.0	--	--	240	7.70	1.10	11	122	93
SEP										
09...	.040	4.2	--	--	21000	9.48	.200	22	172	59

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
OCT 10...	1	1	0	0	<10	10	1	3	3	--	1800	800
JAN 23...	0	0	0	0	<10	<10	0	3	3	3	1100	340
APR 09...	0	0	0	6	20	10	1	0	3	--	1300	240
JUL 09...	1	1	0	2	20	10	0	0	4	3	1200	350

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 10...	4	1	--	50	<.5	<.5	0	0	0	0	30	10
JAN 23...	2	2	60	20	<.1	<.1	0	0	0	0	310	20
APR 09...	7	3	40	30	.1	.3	0	0	0	0	20	10
JUL 09...	1	0	70	20	.1	.1	0	0	0	0	10	5

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
NOV 07...	<1.4	<1.0	.7	.5	2.8	<.4	2.6	<.4	.06	.03
APR 09...	<.6	<.4	1.3	.9	2.2	<.6	2.3	<.6	.09	.22

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
NOV											
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB											
27...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB											
27...	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	62	57	180	176	---	---	152	141	75	73	90	88
2	61	57	183	177	---	---	152	146	73	70	91	90
3	64	57	189	182	---	---	148	140	72	69	92	90
4	66	62	198	188	---	---	139	131	72	70	91	88
5	69	59	199	196	---	---	131	129	73	71	90	88
6	73	69	196	182	113	109	131	129	74	72	92	89
7	77	73	182	162	109	102	131	129	75	73	93	90
8	79	76	162	152	104	100	130	122	77	74	96	93
9	81	78	152	137	100	98	121	115	77	75	96	95
10	87	82	137	130	103	99	115	110	78	75	95	88
11	95	87	136	130	108	103	110	107	78	76	87	84
12	100	94	142	136	112	107	109	107	80	77	87	84
13	103	101	143	139	116	110	111	109	82	79	84	70
14	109	103	144	140	119	112	112	110	84	81	71	67
15	112	108	144	140	113	111	113	110	84	81	68	61
16	118	113	144	119	114	112	115	112	85	83	62	58
17	123	118	118	107	119	115	115	114	85	82	59	55
18	132	123	109	102	120	118	116	114	84	82	58	54
19	139	132	104	101	121	103	119	116	84	81	56	52
20	148	139	104	100	103	88	120	117	83	79	53	48
21	164	148	102	99	97	88	122	119	82	78	51	47
22	176	164	104	100	105	96	126	123	80	78	50	45
23	---	---	111	104	118	103	126	121	80	75	50	45
24	---	---	114	112	126	95	121	114	78	76	49	45
25	---	---	118	115	105	93	114	107	78	75	50	45
26	---	---	123	118	106	95	106	98	82	78	50	48
27	166	164	129	123	96	93	97	90	85	81	50	48
28	167	163	134	129	106	95	89	85	86	84	50	47
29	167	161	142	135	104	91	85	79	88	85	55	51
30	167	162	143	143	116	93	81	76	---	---	56	51
31	176	167	---	---	144	116	77	75	---	---	60	54
MONTH	176	57	199	99	144	88	152	75	88	69	96	45

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	60	56	71	66	86	82	114	106	165	161	218	210
2	60	57	73	69	84	79	107	102	165	162	230	160
3	62	57	77	73	81	76	104	101	165	161	150	123
4	61	59	81	77	78	71	103	100	168	164	124	115
5	61	57	82	79	74	70	102	99	168	166	121	116
6	60	56	82	76	72	68	102	97	168	166	120	116
7	60	57	80	75	72	69	99	94	172	168	155	119
8	59	56	82	80	74	70	103	97	173	170	157	131
9	60	56	97	86	78	73	111	101	175	170	153	142
10	61	57	102	97	83	78	124	107	176	173	151	125
11	62	56	105	103	88	83	141	122	178	168	140	129
12	61	56	106	103	96	88	152	139	183	176	186	140
13	60	55	107	103	108	95	157	149	182	176	182	158
14	62	57	110	105	120	108	174	155	178	174	210	157
15	65	61	113	110	133	121	172	161	178	174	208	199
16	68	62	114	112	142	134	159	151	182	177	205	203
17	63	51	117	114	146	136	149	144	186	181	---	---
18	53	49	119	117	151	145	150	143	185	173	---	---
19	54	52	120	113	148	141	167	147	183	178	---	---
20	57	53	122	118	149	144	178	165	196	183	---	---
21	59	56	128	122	146	144	179	162	193	186	---	---
22	59	53	129	126	150	146	162	154	---	---	---	---
23	61	54	126	120	159	151	154	136	---	---	---	---
24	68	61	119	113	164	160	144	139	---	---	---	---
25	69	65	114	106	163	157	146	144	---	---	---	---
26	71	67	106	96	161	157	151	146	---	---	---	---
27	70	66	96	93	161	155	152	127	---	---	---	---
28	70	68	96	93	158	148	156	145	185	180	---	---
29	69	66	94	90	147	127	156	154	---	---	245	239
30	69	66	91	86	128	113	155	143	---	---	238	236
31	---	---	87	84	---	---	163	150	221	207	---	---
MONTH	71	49	129	66	164	68	179	94	221	161	245	115
YEAR	245	45										

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	7.0	7.5	7.4	---	---	7.4	7.3	6.6	6.6	7.1	7.1
2	7.2	7.0	7.5	7.4	---	---	7.5	7.4	6.6	6.6	7.0	7.0
3	7.2	7.0	7.5	7.3	---	---	7.5	7.4	6.6	6.6	7.1	7.0
4	7.0	6.9	7.5	7.4	---	---	7.4	7.3	6.7	6.6	7.1	7.0
5	7.0	7.0	7.5	7.4	---	---	7.3	7.3	6.7	6.7	7.2	7.1
6	7.0	6.9	7.6	7.5	7.2	7.1	7.3	7.3	6.7	6.7	7.1	7.1
7	7.1	7.0	7.5	7.4	7.2	7.0	7.4	7.3	6.8	6.7	7.1	7.1
8	6.9	6.9	7.5	7.4	7.0	7.0	7.4	7.4	6.8	6.8	7.1	7.1
9	7.0	6.8	7.4	7.3	7.0	6.9	7.4	7.3	6.9	6.8	7.1	7.0
10	7.0	6.9	7.3	7.2	7.0	6.9	7.3	7.3	6.9	6.8	7.0	6.9
11	7.0	7.0	7.2	7.2	7.0	6.9	7.3	7.3	6.9	6.8	6.9	6.9
12	7.1	7.0	7.2	7.2	7.0	7.0	7.3	7.2	6.9	6.8	6.9	6.8
13	7.1	7.1	7.2	7.2	7.0	7.0	7.2	7.2	7.0	6.9	6.8	6.7
14	7.1	7.0	7.2	7.1	7.0	7.0	7.2	7.2	7.0	6.9	6.8	6.6
15	7.1	7.1	7.2	7.2	7.0	7.0	7.2	7.2	7.0	6.9	6.6	6.5
16	7.1	7.0	7.2	7.1	7.1	7.0	7.2	7.2	7.0	6.9	6.5	6.5
17	7.1	6.9	7.1	7.0	7.1	7.0	7.2	7.1	6.9	6.9	6.5	6.5
18	7.1	6.9	7.0	6.9	7.1	7.1	7.2	7.1	7.0	6.9	6.5	6.4
19	7.1	7.0	6.9	6.9	7.1	7.1	7.2	7.1	7.0	6.9	6.4	6.3
20	7.2	7.0	6.9	6.8	7.1	7.1	7.2	7.1	7.0	6.9	6.3	6.2
21	7.1	7.0	6.9	6.8	7.1	7.1	7.2	7.1	7.0	7.0	6.3	6.3
22	7.3	7.1	6.9	6.8	7.1	7.1	7.2	7.2	7.0	6.9	6.4	6.3
23	---	---	6.9	6.8	7.2	7.1	7.2	7.2	6.9	6.9	6.4	6.3
24	---	---	7.0	6.9	7.2	7.1	7.2	7.1	6.9	6.9	6.4	6.4
25	---	---	7.0	6.9	7.2	7.1	7.1	7.0	6.9	6.9	6.5	6.4
26	---	---	7.1	7.0	7.3	7.2	7.0	7.0	6.9	6.9	6.5	6.4
27	7.5	7.3	7.1	7.0	7.3	7.2	7.0	6.8	7.1	7.1	6.5	6.4
28	7.5	7.4	7.2	7.0	7.3	7.2	6.8	6.7	7.1	7.1	6.5	6.4
29	7.5	7.4	7.2	7.1	7.2	7.2	6.7	6.7	7.1	7.1	6.5	6.5
30	7.4	7.4	7.2	7.2	7.3	7.2	6.7	6.6	---	---	6.5	6.5
31	7.5	7.4	---	---	7.4	7.3	6.6	6.6	---	---	6.6	6.3
MONTH	7.5	6.8	7.6	6.8	7.4	6.9	7.5	6.6	7.1	6.6	7.2	6.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.4	6.3	6.8	6.7	6.8	6.8	7.1	7.0	7.5	7.4	7.2	7.1
2	6.4	6.3	6.8	6.8	6.8	6.7	7.0	7.0	7.5	7.4	7.2	7.1
3	6.4	6.3	6.8	6.8	6.7	6.7	7.0	6.9	7.5	7.4	7.5	7.2
4	6.4	6.3	6.9	6.8	6.7	6.7	6.9	6.9	7.5	7.3	7.8	7.3
5	6.4	6.4	6.9	6.8	6.7	6.7	6.9	6.8	7.3	7.2	7.9	7.4
6	6.4	6.3	6.9	6.8	6.7	6.7	6.9	6.8	7.5	7.2	8.0	7.3
7	6.4	6.3	6.8	6.8	6.8	6.7	6.8	6.8	7.3	7.2	7.6	7.3
8	6.5	6.4	6.9	6.9	6.8	6.7	6.9	6.8	7.3	7.2	7.7	7.2
9	6.5	6.4	6.9	6.9	6.8	6.8	7.1	6.9	7.3	7.2	7.5	7.2
10	6.5	6.4	6.9	6.9	6.9	6.8	7.0	6.9	7.3	7.2	7.8	7.2
11	6.5	6.5	7.0	6.9	6.9	6.8	7.1	7.0	7.2	7.2	7.6	7.2
12	6.5	6.5	7.0	6.9	6.9	6.9	7.2	7.1	7.3	7.2	7.5	7.3
13	6.5	6.5	7.0	7.0	6.9	6.9	7.3	7.2	7.4	7.2	7.5	7.3
14	6.5	6.5	7.0	7.0	7.0	6.9	7.4	7.3	7.3	7.2	7.9	7.3
15	6.5	6.5	7.0	7.0	7.1	7.0	7.4	7.4	7.3	7.2	7.8	7.2
16	6.6	6.5	7.0	7.0	7.2	7.1	7.5	7.4	7.3	7.2	7.6	7.2
17	6.6	6.5	7.1	7.0	7.2	7.1	7.5	7.3	7.3	7.2	---	---
18	6.6	6.5	7.1	7.0	7.3	7.2	7.5	7.4	7.4	7.2	---	---
19	6.6	6.5	7.1	7.0	7.3	7.2	7.4	7.4	7.4	7.2	---	---
20	6.6	6.5	7.1	7.0	7.3	7.2	7.5	7.4	7.3	7.2	---	---
21	6.7	6.5	7.1	7.0	7.3	7.2	7.5	7.4	7.2	7.0	---	---
22	6.7	6.6	7.2	7.1	7.3	7.2	7.6	7.5	---	---	---	---
23	6.7	6.6	7.1	7.1	7.3	7.2	7.5	7.4	---	---	---	---
24	6.7	6.7	7.1	7.1	7.4	7.3	7.4	7.3	---	---	---	---
25	6.7	6.7	7.1	7.0	7.4	7.3	7.4	7.3	---	---	---	---
26	6.8	6.7	7.0	7.0	7.3	7.3	7.4	7.3	---	---	---	---
27	6.8	6.7	7.0	7.0	7.3	7.2	7.4	7.3	---	---	---	---
28	6.8	6.7	7.0	6.9	7.4	7.3	7.4	7.3	---	---	---	---
29	6.8	6.7	6.9	6.9	7.3	7.1	7.4	7.3	---	---	7.3	7.2
30	6.8	6.7	6.9	6.8	7.1	7.1	7.5	7.3	---	---	7.3	7.2
31	---	---	6.8	6.8	---	---	7.5	7.3	---	---	---	---
MONTH	6.8	6.3	7.2	6.7	7.4	6.7	7.6	6.8	7.5	7.0	8.0	7.1
YEAR	8.0	6.2										

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.5	23.5	21.0	20.0	---	---	11.0	10.5	10.5	9.0	14.0	13.0
2	25.0	23.5	21.5	20.5	---	---	11.0	10.0	9.0	8.0	13.0	10.0
3	24.5	23.5	22.0	21.0	---	---	10.5	9.5	8.0	7.5	10.0	8.5
4	23.5	23.0	21.0	19.5	---	---	10.5	10.0	8.0	7.0	9.5	8.0
5	23.0	22.0	19.5	18.5	---	---	10.5	9.5	7.5	7.0	11.0	9.5
6	22.0	21.0	19.5	18.0	11.0	11.0	9.5	9.0	8.0	7.0	12.0	11.0
7	22.0	21.0	19.0	18.0	12.0	11.0	9.5	8.0	7.5	7.0	14.0	12.0
8	21.5	20.5	18.5	17.0	12.0	11.5	10.0	9.0	7.5	7.0	15.0	14.0
9	21.5	20.0	18.0	17.0	12.0	11.5	10.5	9.5	8.5	7.0	15.5	15.0
10	21.0	20.5	18.5	17.5	12.0	11.5	11.0	10.5	8.5	8.5	16.0	15.5
11	21.0	20.5	19.0	18.5	12.5	11.5	11.5	10.5	8.5	8.0	16.5	15.5
12	21.0	20.0	19.0	18.5	13.0	12.0	12.0	11.5	8.5	8.0	16.5	15.5
13	20.5	19.5	18.0	17.0	14.0	13.0	11.5	11.0	9.0	8.0	15.5	14.5
14	20.5	19.5	17.0	16.5	14.5	14.0	11.0	10.5	10.0	9.0	15.5	14.5
15	19.5	18.5	16.5	15.5	14.0	13.0	11.0	10.5	11.0	10.0	15.0	14.5
16	20.0	19.0	15.5	15.0	13.0	12.5	11.5	11.0	11.5	10.5	15.0	14.0
17	20.5	---	15.5	14.5	12.5	11.5	12.5	11.5	11.0	10.5	16.0	14.5
18	21.0	20.0	15.0	14.5	11.5	10.5	13.5	12.5	10.0	9.5	16.0	15.5
19	21.5	20.5	15.0	14.0	11.0	10.0	13.5	13.0	10.5	9.0	16.0	15.0
20	22.5	21.0	15.0	14.0	10.5	9.5	13.0	12.5	11.0	10.0	17.0	15.5
21	23.0	22.0	15.0	14.0	10.0	9.5	13.0	12.0	12.5	11.0	17.0	16.0
22	23.5	22.5	15.5	14.5	10.0	9.5	13.5	12.5	13.5	12.5	16.5	15.0
23	---	---	16.0	15.0	10.5	10.0	14.0	13.0	15.0	13.5	16.0	15.0
24	---	---	16.5	16.0	11.5	10.5	13.0	11.5	15.5	14.5	16.5	15.5
25	---	---	17.5	16.5	11.5	11.0	11.5	11.0	16.0	15.5	17.0	16.0
26	---	---	18.5	17.5	11.0	10.5	11.5	11.0	15.5	13.0	17.0	16.5
27	20.5	19.5	17.5	17.0	11.0	10.0	11.5	11.5	13.0	12.0	16.5	16.0
28	20.0	18.5	17.5	16.5	11.0	10.5	11.5	11.0	12.5	11.5	17.0	16.0
29	20.0	18.5	17.0	15.5	11.0	10.5	11.5	10.5	13.5	12.5	16.5	16.5
30	20.0	19.0	15.0	15.0	11.5	11.0	11.5	10.5	---	---	17.5	16.5
31	20.5	19.5	---	---	11.0	11.0	11.5	11.0	---	---	18.0	16.5
MONTH	25.0	18.5	22.0	14.0	14.5	9.5	14.0	8.0	16.0	7.0	18.0	8.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.0	16.5	19.5	18.5	24.5	23.5	29.0	28.0	32.0	30.0	30.5	29.0
2	17.5	17.0	19.5	19.0	25.0	23.5	28.5	28.0	32.5	30.5	30.5	29.5
3	18.5	17.5	19.5	19.0	25.0	24.0	29.0	28.0	32.5	31.0	30.0	29.5
4	18.5	17.5	20.0	19.0	25.5	24.0	29.0	28.0	32.5	31.0	30.5	29.5
5	18.5	17.0	20.5	19.5	25.5	24.5	29.0	28.0	32.5	31.0	30.0	29.5
6	18.5	17.0	21.0	20.0	25.5	25.0	29.0	28.0	32.5	31.0	30.5	29.0
7	18.0	17.5	21.5	20.5	25.5	25.0	28.5	27.5	32.0	31.0	30.0	28.5
8	18.5	18.0	22.0	21.0	26.0	25.0	29.0	27.5	32.5	31.0	30.5	29.0
9	19.0	18.0	21.5	20.5	26.0	25.5	29.5	28.0	32.5	31.0	30.0	28.5
10	19.0	17.5	21.0	20.0	25.5	25.0	30.0	28.5	32.0	30.5	29.5	28.0
11	19.0	17.5	21.5	20.0	26.0	25.0	30.5	29.5	31.0	29.5	29.5	28.5
12	19.0	18.0	22.5	21.0	26.0	25.0	31.5	30.0	32.0	30.0	29.5	28.0
13	19.5	18.5	23.5	22.0	26.0	25.0	32.0	30.5	31.5	30.0	29.0	27.5
14	19.5	19.0	24.5	23.0	26.0	25.0	32.0	31.5	31.5	30.0	30.0	28.0
15	19.5	18.0	25.0	24.0	27.0	25.5	32.0	31.0	31.0	29.5	30.5	28.0
16	19.0	17.5	24.5	24.0	28.0	26.5	32.0	30.5	31.5	30.0	30.5	28.5
17	19.0	17.5	24.5	24.0	28.5	27.0	32.0	30.5	31.5	30.5	---	---
18	18.5	17.5	25.5	24.0	29.0	28.0	32.0	30.5	31.0	30.0	---	---
19	18.5	18.0	25.5	24.5	28.5	27.5	31.0	30.5	31.0	29.5	---	---
20	18.0	17.5	25.5	24.5	28.5	27.5	31.5	30.0	31.5	30.0	---	---
21	18.5	17.5	26.0	24.5	28.5	27.5	31.5	30.0	---	---	---	---
22	19.0	18.0	26.0	25.5	28.0	27.5	31.0	30.0	---	---	---	---
23	20.0	18.5	25.5	25.0	28.0	27.5	30.5	29.5	---	---	---	---
24	20.5	19.5	26.0	24.5	29.0	27.5	29.5	29.0	---	---	---	---
25	21.0	20.0	26.0	24.5	28.0	27.5	29.0	28.0	---	---	---	---
26	21.5	20.5	25.5	24.5	28.0	27.0	29.5	28.0	---	---	---	---
27	21.0	20.5	25.5	24.5	28.5	27.0	30.0	28.5	---	---	---	---
28	20.5	20.0	25.0	24.0	29.5	28.0	30.0	28.0	---	---	---	---
29	20.0	19.0	24.5	23.5	29.0	28.5	30.0	29.0	---	---	---	---
30	19.5	19.0	24.5	23.5	29.0	28.0	30.5	28.5	---	---	27.5	26.5
31	---	---	24.5	23.5	---	---	31.5	29.5	30.0	29.0	27.0	26.0
MONTH	21.5	16.5	26.0	18.5	29.5	23.5	32.0	27.5	32.5	29.0	30.5	26.0
YEAR	32.5	7.0										

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.—Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.2	5.0	7.7	7.5	---	---	9.9	9.6	8.6	8.3	8.9	8.5
2	5.2	4.7	7.6	7.2	---	---	9.9	9.7	9.2	8.7	8.7	8.5
3	5.2	5.0	7.5	7.0	---	---	10.0	9.8	9.4	9.2	9.9	8.9
4	5.2	5.0	7.6	7.2	---	---	9.9	9.8	9.8	9.5	10.4	9.8
5	5.3	5.2	8.0	7.5	---	---	9.9	9.7	9.9	9.8	10.4	9.9
6	5.6	5.4	8.2	7.8	10.0	9.7	10.1	9.8	10.1	9.9	10.0	9.2
7	5.8	5.3	8.3	8.0	9.7	9.1	10.4	10.1	10.1	10.0	9.4	9.0
8	5.9	5.6	8.4	8.2	9.1	8.9	10.4	10.3	10.3	10.1	9.2	8.6
9	6.2	5.7	8.5	8.3	9.1	8.9	10.3	10.1	10.4	10.1	8.7	8.2
10	6.3	6.0	8.4	8.2	9.0	8.8	10.1	9.9	10.2	9.9	8.4	8.0
11	6.2	5.6	8.3	8.0	9.0	8.8	9.9	9.8	10.0	9.8	8.1	7.8
12	6.2	5.6	8.0	7.9	8.9	8.7	9.8	9.7	10.1	10.0	8.1	7.7
13	6.6	5.8	8.2	7.9	8.8	8.4	9.7	9.6	10.2	10.1	8.1	7.7
14	6.7	6.1	8.3	8.1	8.4	8.2	9.7	9.6	10.1	10.0	8.1	7.8
15	7.0	6.3	8.5	8.3	8.4	7.8	9.8	9.6	9.9	9.6	8.0	7.7
16	7.1	6.3	8.6	8.4	8.7	8.3	9.8	9.6	9.7	9.3	8.1	7.9
17	7.5	7.2	8.7	8.5	8.9	8.6	9.6	9.5	9.4	9.3	7.9	7.5
18	7.3	7.1	8.6	8.4	9.3	8.8	9.4	9.2	9.8	9.4	7.6	7.2
19	7.1	6.9	8.5	8.3	9.5	9.2	9.2	9.1	10.0	9.7	7.4	6.8
20	6.9	6.7	8.4	8.2	9.7	9.4	9.3	9.1	9.8	9.5	7.3	6.7
21	6.8	6.5	8.3	8.2	9.8	9.7	9.3	9.1	9.5	9.2	7.1	6.8
22	6.8	6.5	8.3	8.0	9.8	9.7	9.2	8.9	9.2	8.9	7.3	7.1
23	---	---	8.1	7.8	9.8	9.6	9.1	8.8	8.8	8.4	7.5	7.2
24	---	---	7.9	7.6	9.8	9.5	9.1	8.8	8.4	8.0	7.4	7.2
25	---	---	7.8	7.6	9.6	9.4	9.2	9.0	8.0	7.8	7.2	7.1
26	---	---	7.7	7.4	9.6	9.4	9.2	9.1	8.4	7.9	7.1	7.0
27	7.8	7.6	7.7	7.4	9.8	9.5	9.1	8.8	8.8	8.3	7.2	7.0
28	8.0	7.8	7.7	7.5	9.7	9.6	8.8	8.6	9.1	8.7	7.2	6.9
29	7.9	7.6	8.0	7.6	9.8	9.6	8.8	8.4	9.0	8.7	7.1	6.7
30	7.8	7.6	8.0	8.0	9.9	9.7	8.6	8.4	---	---	7.2	6.6
31	7.8	7.6	---	---	9.9	9.6	8.4	8.3	---	---	7.9	7.3
MONTH	8.0	4.7	8.7	7.0	10.0	7.8	10.4	8.3	10.4	7.8	10.4	6.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.8	7.1	7.1	6.7	6.3	6.2	6.1	5.9	6.2	5.7	---	---
2	7.7	7.1	7.1	6.8	6.2	5.9	6.1	6.0	6.2	5.6	---	---
3	7.5	6.9	7.0	6.8	6.2	5.9	6.0	5.9	6.1	5.7	---	---
4	7.6	6.8	6.9	6.6	6.1	5.8	5.9	5.8	6.2	5.8	---	---
5	7.4	6.7	6.7	6.5	6.0	5.7	5.8	5.7	5.9	5.6	---	---
6	7.5	6.8	6.5	6.3	6.0	5.8	5.8	5.6	6.0	5.6	---	---
7	7.4	6.9	6.5	6.3	6.0	5.7	5.7	5.5	6.0	5.7	---	---
8	7.5	6.9	6.3	6.1	5.9	5.6	5.6	5.4	6.2	5.6	---	---
9	7.4	7.0	6.2	6.0	5.7	5.5	5.5	5.4	6.1	5.6	---	---
10	7.5	7.1	6.4	6.1	5.7	5.5	5.4	5.3	6.1	5.5	---	---
11	7.6	7.1	6.4	6.3	5.8	5.5	5.3	5.1	5.9	5.5	---	---
12	7.5	7.2	6.5	6.3	5.7	5.5	5.6	5.2	6.0	5.4	---	---
13	7.5	7.0	6.4	6.2	5.6	5.2	5.8	5.4	6.3	5.6	---	---
14	7.3	6.7	6.3	6.0	5.6	5.2	5.7	5.4	6.0	5.5	---	---
15	7.4	6.8	6.0	5.9	5.7	5.5	6.1	5.5	6.1	5.5	7.5	6.5
16	7.4	6.7	6.0	5.9	6.0	5.6	6.5	5.8	6.2	5.5	7.5	6.7
17	7.4	6.9	6.3	6.0	6.1	5.8	6.4	5.8	6.0	5.5	---	---
18	7.2	6.7	6.3	5.9	6.3	5.9	6.3	5.8	6.3	5.8	---	---
19	7.2	6.7	6.6	5.8	6.4	6.0	6.0	5.6	6.4	5.4	---	---
20	7.3	6.7	6.0	5.7	6.3	6.1	6.0	5.6	---	---	---	---
21	7.2	6.5	6.0	5.8	6.4	6.1	6.1	5.6	---	---	---	---
22	7.2	6.5	6.2	5.9	6.4	6.1	6.1	5.7	---	---	---	---
23	7.1	6.4	6.2	5.9	6.5	6.1	6.2	6.0	---	---	---	---
24	6.9	6.5	6.2	6.0	6.3	6.0	6.0	5.8	---	---	---	---
25	6.8	6.5	6.2	6.0	6.5	6.0	6.2	5.8	---	---	---	---
26	6.7	6.5	6.3	6.1	6.3	6.0	6.1	5.9	---	---	---	---
27	6.7	6.3	6.4	6.2	6.4	5.9	6.6	5.8	---	---	---	---
28	6.7	6.3	6.5	6.3	6.3	6.0	6.1	5.8	---	---	---	---
29	6.9	6.6	6.5	6.3	6.1	5.9	6.1	5.6	---	---	6.1	5.5
30	7.0	6.6	6.4	6.3	6.2	5.9	6.4	5.7	---	---	6.1	5.8
31	---	---	6.4	6.2	---	---	6.2	5.7	---	---	---	---
MONTH	7.8	6.3	7.1	5.7	6.5	5.2	6.6	5.1	6.4	5.4	7.5	5.5
YEAR	10.4	4.7										

RESERVOIRS IN ALTAMAHA RIVER BASIN

02210000 LLOYD SHOALS RESERVOIR.--Lat 33°19'13", long 83°50'20", Butts County, Hydrologic Unit 03070103, on Ocmulgee River, 1 mi (1.6 km) upstream from bridge on State Highway 16, and 7 mi (11.3 km) east of Jackson. DRAINAGE AREA, 1,400 mi2 (3,626 km2). PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 528.0 and 525.0 ft) (160.9 and 160.0 m) is equipped with flashboards 308.5 ft (94.0 m) wide by 2 ft (0.61 m) high and 420 ft (128.0 m) wide by 5 ft (1.52 m) high. Dam completed in 1910. Total capacity at elevation 530.0 ft (161.5 m), top of flashboards, is 107,000 acre-ft (132 hm^3), of which 78,000 acre-ft (96.2 hm^3) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	530.2	108000	-	-
Oct. 31................	527.8	96600	-11400	-185
Nov. 30................	527.6	95700	-900	-15
Dec. 31................	527.0	93000	-2700	-44
CAL YR 1979	-	-	+10400	+14
Jan. 31................	525.5	87000	-6000	-98
Feb. 29................	528.0	97500	+10500	+183
Mar. 31................	528.7	101000	+3500	+57
Apr. 30................	527.7	96200	-4800	-81
May 31................	527.7	96200	0	0
June 30................	528.8	101000	+4800	+81
July 31................	528.7	101000	0	0
Aug. 31................	526.3	90200	-10800	-176
Sept. 30................	526.6	91400	+1200	+20
WTR YR 1980	-	-	-16600	-23

† Elevation at 0700 on day following that shown in first column.

02220450 LAKE OCONEE.--Lat 33°21'00", long 83°09'28", Putnam County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi (2.4 km) upstream from bridge on State Highway 16, and 13.3 mi (21.4 km) east of Eatonton. DRAINAGE AREA, 1,820 mi2 (4,714 km2). PERIOD OF RECORD, January 1979 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 435.6 ft) (132.77 m) is equipped with five radial gates 42 ft wide by 44 ft high (12.8 m by 13.4 m). Storage began in January 1979; water in reservoir first reached minimum pool elevation in July 1979. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	435.0	360000	-	-
Oct. 31................	434.9	358200	-1800	-29
Nov. 30................	434.7	354600	-3600	-61
Dec. 31................	434.9	358200	+3600	+59
CAL YR 1979	-	-	+358200	+493
Jan. 31................	435.0	360000	+1800	+29
Feb. 29................	435.0	360000	0	0
Mar. 31................	435.1	361800	+1800	+29
Apr. 30................	434.8	356400	-5400	-91
May 31................	435.1	361800	+5400	+88
June 30................	435.2	363600	+1800	+30
July 31................	433.2	327600	-36000	-585
Aug. 31................	431.4	297400	-30200	-491
Sept. 30................	432.2	310400	+13000	+218
WTR YR 1980	-	-	-49600	-68

† Elevation at 0700 on day following that shown in first column.

RESERVOIRS IN ALTAMAHA RIVER BASIN--Continued

02222500 SINCLAIR RESERVOIR.--Lat 33°08'27", long 83°12'08", Baldwin County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi (2.4 km) upstream from Georgia Railroad bridge, and 4 mi (6.4 km) north of Milledgeville. DRAINAGE AREA, 2,900 mi2 (7,511 km2). PERIOD OF RECORD, October 1952 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 319 ft) (97.2 m) is equipped with 24 gates 30 ft wide by 21 ft high (9.14 m by 6.40 m). Storage began in 1952; water in reservoir first reached minimum pool elevation in 1953. Total capacity at elevation 340.0 ft (103.6 m), top of gates, is 334,000 acre-ft (412 hm^3), of which 214,600 acre-ft (265 hm^3) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	339.0	319000	-	-
Oct. 31................	339.5	326500	+7500	+122
Nov. 30................	339.4	325000	-1500	-25
Dec. 31................	339.0	319000	-6000	-98
CAL YR 1979	-	-	+37400	+52
Jan. 31................	338.6	313000	-6000	-98
Feb. 29................	339.7	329500	+16500	+287
Mar. 31................	339.7	329500	0	0
Apr. 30................	338.4	310000	-19500	-328
May 31................	338.8	316000	+6000	+98
June 30................	338.6	313000	-3000	-50
July 31................	338.3	308500	-4500	-73
Aug. 31................	338.7	314500	+6000	+98
Sept. 30................	338.1	305500	-9000	-151
WTR YR 1980	-	-	-13500	-19

† Elevation at 0700 on day following that shown in first column.

02226475 SATILLA RIVER AT WALTERTOWN, GA.

LOCATION.--Lat 31°18'17", long 82°23'33", Ware County, Hydrologic Unit 03070201, at county highway bridge at Waltertown, and 6 mi (10 km) north of Waycross.

PERIOD OF RECORD.--August 1973 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 02...	0615	2440	4.7	19.0	23.0	4.8
NOV 06...	0700	52	5.3	12.0	16.0	7.3
DEC 04...	1055	87	5.5	12.0	8.0	9.0
JAN 09...	0810	535	5.4	10.5	8.5	10.0
APR 02...	1445	3280	4.7	22.0	19.0	5.4
MAY 20...	0750	478	5.4	24.5	23.5	6.0
JUN 18...	0715	26	5.6	26.0	27.0	4.5
JUL 23...	0955	12	5.8	26.5	29.5	6.2
AUG 19...	0915	12	6.0	31.0	27.5	5.0
SEP 17...	0930	8.0	5.9	27.0	27.0	5.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 02...	41	260	9	1.5	430	2	<.02	<.020	.030	28
NOV 06...	42	200	5	.4	230	3	.06	<.020	.020	15
DEC 04...	48	120	5	.5	90	3	.04	.020	.040	12
JAN 09...	48	100	5	.4	430	2	.10	.040	.030	13
APR 02...	32	160	7	.9	150	1	.02	<.020	.040	23
MAY 20...	45	240	12	1.0	2300	3	.23	.060	.100	18
JUN 18...	37	90	6	.3	30	3	.06	.020	.050	7.0
JUL 23...	44	140	13	2.5	90	4	<.02	.020	.100	14
AUG 19...	38	100	7	1.5	<35	4	.04	<.020	.070	9.0
SEP 17...	36	100	4	2.0	<30	3	.02	<.020	.080	7.0

02226500 SATILLA RIVER NEAR WAYCROSS, GA.

LOCATION.--Lat 31°14'17", long 82°19'29", Ware-Pierce County line, Hydrologic Unit 03070201, on downstream side of pier near center span of bridge on State Highway 38, 3 mi (4.8 km) northeast of Waycross, and 16 mi (25.7 km) upstream from Alabaha River.

DRAINAGE AREA.--1,200 mi2 (3,110 km2), approximately.

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORDS.--WSP 952: 1939. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 66.43 ft (20.248 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft (91 m) downstream at same datum.

REMARKS.--Records fair. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--43 years, 1,035 ft3/s (29.3 m3/s), 11.71 in/yr (297 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,000 ft3/s (1,100 m3/s) Apr. 4, 1948, gage height, 22.4 ft (6.83 m), from floodmark; minimum, 6.0 ft3/s (0.170 m3/s) Nov. 3, 4, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 4, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,700 ft3/s (76.5 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 4	0800	3360	95.2	14.06	4.285
Dec. 13	1900	3470	98.3	13.97	4.258
Feb. 2	1500	4460	126	14.97	4.563
Mar. 16	2300	*16200	459	19.01	5.794
Apr. 5	1900	7720	219	16.45	5.014

Minimum discharge, 15 ft3/s (0.42 m3/s) Aug. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2800	93	160	590	4410	740	3560	1280	202	890	40	19
2	3130	95	148	557	4600	680	4160	1170	179	762	33	18
3	3290	139	138	527	4340	640	5720	1020	149	668	25	18
4	3350	116	133	507	3980	580	7090	887	126	476	22	19
5	3150	93	129	510	3590	540	7660	748	109	341	22	20
6	2630	84	252	531	3160	540	7570	643	95	252	23	20
7	1920	77	576	555	2690	560	7450	541	83	196	22	19
8	1270	83	1020	573	2200	600	7520	462	73	142	22	20
9	824	95	1560	575	1770	700	7340	445	66	115	22	24
10	574	109	2100	560	1570	932	6840	437	58	105	17	20
11	436	214	2570	553	1510	1620	5970	453	52	87	30	20
12	358	357	3100	569	1580	2280	5140	491	45	84	34	20
13	302	564	3430	596	1750	3640	4410	527	42	75	180	19
14	257	834	3400	622	1990	7130	3890	541	39	62	188	18
15	219	1030	3060	647	2190	11700	3550	512	36	55	131	18
16	189	1060	2390	658	2330	15600	3230	444	34	49	79	18
17	165	992	1770	646	2400	15700	2900	374	32	44	51	18
18	146	868	1410	626	2360	13800	2620	328	33	38	45	22
19	135	714	1190	595	2180	11500	2570	374	53	36	39	22
20	127	569	1070	558	1900	9510	2540	547	38	33	31	18
21	120	470	998	525	1660	7920	2410	668	34	32	29	18
22	113	403	924	499	1480	6620	2320	693	45	30	29	18
23	108	353	834	668	1350	5600	2200	738	63	30	37	58
24	114	312	756	918	1280	4830	2010	733	227	31	35	34
25	110	280	708	1130	1220	4280	1760	683	232	68	34	20
26	100	252	678	1390	1160	3850	1500	608	428	45	32	20
27	93	228	671	1880	1090	3500	1240	513	532	36	29	22
28	87	209	676	2390	984	3150	1080	418	650	36	26	25
29	84	190	668	2800	850	2780	1120	338	780	76	22	27
30	81	173	649	3180	---	3020	1250	273	898	93	22	25
31	85	---	621	3720	---	3340	---	227	---	56	20	---
TOTAL	26367	11056	37789	30655	63574	147882	118620	18116	5433	5043	1371	657
MEAN	851	369	1219	989	2192	4770	3954	584	181	163	44.2	21.9
MAX	3350	1060	3430	3720	4600	15700	7660	1280	898	890	188	58
MIN	81	77	129	499	850	540	1080	227	32	30	17	18
CFSM	.71	.31	1.02	.82	1.83	3.98	3.30	.49	.15	.14	.04	.02
IN.	.82	.34	1.17	.95	1.97	4.58	3.68	.56	.17	.16	.04	.02

CAL YR 1979 TOTAL 453293 MEAN 1242 MAX 10800 MIN 71 CFSM 1.04 IN 14.05
WTR YR 1980 TOTAL 466563 MEAN 1275 MAX 15700 MIN 17 CFSM 1.06 IN 14.46

02226582 SATILLA RIVER NEAR HOBOKEN, GA.

LOCATION.--Lat 31°13'00", long 82°09'45", Brantley-Pierce County line, Hydrologic Unit 03070201, at bridge on State Highway 121, 3 mi (4.8 km) northeast of Hoboken.

DRAINAGE AREA.--1,350 mi^2 (3,500 km^2), approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 03...	0615	3060	4.7	15.0	23.0	4.6
NOV 06...	0800	112	6.1	13.0	16.0	6.9
DEC 04...	1140	159	6.2	14.0	9.5	8.8
JAN 09...	0900	528	5.9	10.5	10.0	9.4
FEB 19...	1400	--	4.6	17.0	11.0	7.9
MAR 04...	1250	1080	5.8	16.0	11.0	8.7
APR 02...	1345	4040	4.9	24.0	19.0	6.9
MAY 20...	0845	406	5.4	25.0	25.0	5.2
JUN 18...	0815	57	6.4	27.0	27.5	3.0
JUL 23...	0845	51	4.8	27.5	28.0	5.3
AUG 19...	1000	67	6.5	31.0	29.0	3.6
SEP 17...	1015	32	6.7	32.0	28.0	5.2

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	40	250	10	1.2	750	2	7	<.02	.030	.050	29
NOV 06...	73	200	8	1.8	230	8	5	.13	.110	.110	13
DEC 04...	65	100	6	.7	290	8	2	.17	.260	.150	10
JAN 09...	54	120	5	1.0	230000	4	6	.10	.100	.080	13
FEB 19...	47	90	10	1.8	40	<1	1	.02	.020	.020	20
MAR 04...	53	140	8	1.6	70	5	4	.11	.140	.100	16
APR 02...	34	160	8	1.0	430	2	5	.05	.020	.060	22
MAY 20...	52	200	10	.9	230	4	11	.24	.190	.180	22
JUN 18...	90	120	5	1.3	40	10	5	.32	.090	.320	8.0
JUL 23...	95	160	14	1.0	40	1	1	.62	.100	.690	10
AUG 19...	88	150	10	1.9	390	9	10	.43	.250	.450	17
SEP 17...	150	60	4	.9	<30	22	3	1.0	.200	.570	7.0

02227000 HURRICANE CREEK NEAR ALMA, GA.

LOCATION.--Lat 31°34'00", long 82°27'50", Bacon County, Hydrologic Unit 03070201, at bridge on U.S. Highway 1, 1.5 mi (2.4 km) north of Alma.

DRAINAGE AREA.--150 mi2 (388 km2).

PERIOD OF RECORD.--Several miscellaneous samples collected between October 1969 and June 1974. July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water discharge records for the water years 1951-71 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 01...	1515	195	4.7	29.0	23.5	5.5
NOV 05...	1545	2.2	4.9	21.5	17.0	7.3
DEC 04...	0955	6.7	5.0	6.5	4.5	10.2
JAN 08...	1700	51	5.0	13.5	9.0	9.0
APR 03...	0930	1010	4.4	20.0	17.5	7.5
MAY 19...	1600	2.3	4.5	34.0	25.0	4.0
JUN 17...	1545	.00	4.4	36.0	25.5	3.0
JUL 23...	1130	.00	4.7	33.0	28.0	4.0
AUG 19...	0845	.10	4.9	29.5	25.0	3.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 01...	45	225	8	1.1	90	1	<.02	<.020	.030	26
NOV 05...	39	250	3	.9	70	1	<.02	<.020	.020	20
DEC 04...	39	120	5	.7	90	2	<.02	.020	.030	12
JAN 08...	44	100	10	.3	2300	1	.02	.030	<.020	13
APR 03...	38	160	7	1.0	430	--	<.02	<.020	.030	25
MAY 19...	38	280	6	1.3	40	--	.03	.170	.040	22
JUN 17...	38	320	8	2.5	230	--	<.02	.060	.050	21
JUL 23...	56	150	11	4.6	<30	1	<.02	<.020	.060	17
AUG 19...	58	150	7	1.4	2300	1	.04	.040	.040	21

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.

LOCATION.--Lat 31°27'04", long 82°03'17", Pierce-Wayne County line, Hydrologic Unit 03070202, at right bank pier of steel truss span of Seaboard Coast Line Railroad bridge, 1,500 ft (457 m) downstream from bridge on State Highway 38, 4 mi (6.4 km) northeast of Offerman, and 16 mi (26 km) upstream from mouth.
DRAINAGE AREA.--646 mi2 (1,673 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1951 to current year.
GAGE.--Water-stage recorder. Datum of gage is 58.00 ft (17.678 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 8, 1952, water-stage recorder at site 1,500 ft (457 m) upstream and Nov. 8, 1952, to Sept. 30, 1975, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.
REMARKS.--Records good except those below 50 ft3/s (1.42 m3/s), which are fair. Records of chemical analyses for the water year 1970 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--29 years, 527 ft3/s (14.9 m3/s), 11.08 in/yr (281 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,200 ft3/s (487 m3/s) Sept. 29, 1953, gage height, 14.5 ft (4.42 m), present datum; no flow Oct. 10 to Nov. 14, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft3/s (42.5 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 11	2300	1920	54.4	9.41	2.868
Jan. 31	0900	2820	79.9	9.90	3.018

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 15	1200	*13400	379	13.15	4.008
Apr. 6	0500	4580	130	10.71	3.264

Minimum discharge, 0.07 ft3/s (0.002 m3/s) Sept. 17, 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6130	57	98	385	2620	333	3150	578	6.5	2.9	.49	.26
2	5000	73	87	361	2260	305	3390	513	4.4	2.1	.46	.26
3	4010	86	81	333	1890	287	3660	372	3.3	1.8	.44	.23
4	3110	80	80	317	1650	270	3600	269	2.7	1.6	.40	.26
5	2350	89	80	322	1410	255	3860	216	2.3	1.4	.39	.23
6	1770	94	212	320	1210	274	4400	198	2.1	1.3	.38	.23
7	1390	88	742	306	1040	299	3540	182	2.0	1.3	.37	.30
8	1090	87	1090	295	909	323	2750	152	1.9	1.2	.36	.23
9	848	77	1400	299	818	394	2340	164	1.9	1.1	.35	.23
10	528	65	1660	309	841	783	2000	263	1.8	1.1	.40	.23
11	437	120	1840	321	929	2250	1720	280	1.8	1.1	.43	.20
12	322	323	1870	352	1120	4920	1450	224	1.7	1.1	.42	.17
13	255	497	1660	396	1300	6580	1220	171	1.7	.95	.37	.13
14	211	591	1380	492	1350	11300	1100	127	1.7	.92	.39	.13
15	180	649	1150	525	1360	13100	1030	92	1.7	.83	.38	.13
16	158	673	986	533	1280	10500	939	82	1.6	.75	.33	.11
17	141	628	861	519	1180	6740	852	72	1.6	.67	.34	.13
18	135	511	788	509	1090	4820	800	57	1.9	.64	.38	.22
19	141	379	738	487	1050	3900	818	48	1.9	.59	.34	.22
20	165	292	694	431	988	3340	935	82	1.7	.55	.32	.19
21	177	240	653	376	916	2830	1020	137	1.7	.49	.29	.15
22	175	203	608	332	855	2400	1020	138	1.7	.52	.38	.22
23	171	175	544	544	785	2090	915	172	1.7	.52	.47	.34
24	207	155	490	794	715	1830	796	234	1.6	.57	.38	.24
25	221	140	488	911	669	1630	684	185	1.9	1.2	.33	.15
26	190	137	499	973	602	1420	569	121	2.7	1.3	.33	.10
27	147	133	496	1280	521	1230	535	78	9.9	1.2	.30	.26
28	112	127	469	1880	454	1080	547	47	19	.92	.30	.40
29	88	118	434	2720	382	989	520	27	11	.71	.29	.27
30	75	103	412	2770	---	1340	556	17	5.1	.59	.26	.30
31	63	---	398	2790	---	2130	---	11	---	.53	.26	---
TOTAL	29997	6990	22988	23182	32194	89942	50716	5309	102.5	32.45	11.33	6.52
MEAN	968	233	742	748	1110	2901	1691	171	3.42	1.05	.37	.22
MAX	6130	673	1870	2790	2620	13100	4400	578	19	2.9	.49	.40
MIN	63	57	80	295	382	255	520	11	1.6	.49	.26	.10
CFSM	1.50	.36	1.15	1.16	1.72	4.49	2.62	.27	.005	.002	.001	.000
IN.	1.73	.40	1.32	1.33	1.85	5.18	2.92	.31	.01	.00	.00	.00

CAL YR 1979 TOTAL 302416.00 MEAN 829 MAX 12900 MIN 35 CFSM 1.28 IN 17.41
WTR YR 1980 TOTAL 261470.80 MEAN 714 MAX 13100 MIN .10 CFSM 1.11 IN 15.05

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1957 to May 1958, October 1969 to August 1970, April 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
10...	1805	560	19.0	21	32
NOV					
29...	1505	114	14.5	5	1.5
JAN					
18...	1400	520	15.0	6	8.4
FEB					
27...	1655	488	11.0	14	18
MAR					
14...	1540	12100	14.0	42	1370
16...	1030	10800	13.5	39	1140
APR					
11...	1620	1720	14.0	37	172

02228000 SATILLA RIVER AT ATKINSON, GA.

(National stream-quality accounting network station)

LOCATION.--Lat 31°13'16", long 81°52'03", Brantley County, Hydrologic Unit 03070201, on left bank piling 25 ft (7.6 m) upstream from bridge on U.S. Highway 84, 400 ft (122 m) downstream from Seaboard Coast Line Railroad bridge, and 1 mi (1.6 km) west of Atkinson.

DRAINAGE AREA.--2,790 mi2 (7,230 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1930 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1504: 1932. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.79 ft (4.508 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1933, and Nov. 21, 1961, to Sept. 30, 1964, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--50 years, 2,267 ft3/s (64.2 m3/s), 11.03 in/yr (280 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft3/s (1,930 m3/s) Apr. 6, 1948, gage height, 23.9 ft (7.28 m); minimum daily, 21 ft3/s (0.59 m3/s) Nov. 2-5, 7-13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, 27.2 ft (8.29 m) in September 1929, from information by Georgia Department of Transportation; discharge, 110,000 ft3/s (3,120 m3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,800 ft3/s (164 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 3	2400	11500	326	15.59	4.752
Feb. 7	1400	7820	221	14.19	4.325
Mar. 19	1500	*31400	889	19.35	5.898
Apr. 10	0800	15800	447	16.65	5.075

Minimum discharge, 49 ft3/s (1.39 m3/s) Sept. 25-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7520	396	566	1680	4580	2660	7920	3200	802	548	137	80
2	9530	389	519	1600	5370	2490	7740	2930	627	592	136	76
3	11100	385	477	1540	6170	2300	8010	2720	506	645	134	73
4	11400	396	446	1490	6810	2120	8690	2570	428	694	121	70
5	10900	433	420	1430	7280	1930	9520	2420	382	731	109	68
6	10100	438	447	1360	7620	1770	10300	2360	344	746	100	66
7	9230	428	735	1310	7770	1630	11300	2230	315	724	93	65
8	8420	407	1070	1270	7660	1530	12900	2040	289	627	88	62
9	7640	382	1360	1230	7340	1510	14900	1890	263	508	83	60
10	6900	358	1650	1210	6930	1590	15600	1790	243	408	80	62
11	6060	384	2010	1220	6290	1880	15000	1640	229	332	116	60
12	5140	461	2380	1230	5600	2260	14100	1510	216	277	185	55
13	4050	562	2800	1250	4930	2960	13200	1430	212	239	186	58
14	3080	767	3270	1300	4390	4050	12500	1330	194	213	232	58
15	2310	1010	3800	1350	4060	6120	11500	1230	182	192	256	56
16	1740	1220	4390	1420	3910	10700	10400	1130	172	175	269	55
17	1340	1400	4890	1480	3930	19000	9420	1060	163	160	267	55
18	1070	1570	5160	1530	4010	27000	8510	1000	155	147	257	55
19	885	1720	5160	1560	4140	31000	7860	946	150	137	228	53
20	757	1810	4930	1570	4250	30300	7350	916	145	129	196	52
21	672	1790	4480	1540	4290	27400	6840	856	141	120	168	52
22	626	1700	3960	1500	4270	23600	6330	868	144	114	146	55
23	596	1550	3460	1530	4170	19800	5930	983	151	118	136	54
24	568	1380	3050	1610	4020	16600	5670	1110	148	144	125	52
25	542	1210	2720	1710	3840	14000	5460	1240	150	135	120	50
26	530	1090	2450	1920	3580	12100	5200	1360	232	157	111	51
27	525	955	2250	2320	3300	10600	4830	1410	314	154	105	63
28	505	834	2090	2770	3050	9590	4380	1400	377	151	98	77
29	473	718	1960	3170	2860	8760	3930	1310	439	159	94	71
30	435	623	1850	3520	---	8540	3540	1170	500	163	88	65
31	400	---	1760	3970	---	8220	---	1000	---	152	84	---
TOTAL	125044	26766	76510	53590	146420	314010	268830	49049	8613	9791	4548	1829
MEAN	4034	892	2468	1729	5049	10130	8961	1582	287	316	147	61.0
MAX	11400	1810	5160	3970	7770	31000	15600	3200	802	746	269	80
MIN	400	358	420	1210	2860	1510	3540	856	141	114	80	50
CFSM	1.45	.32	.89	.62	1.81	3.63	3.21	.57	.10	.11	.05	.02
IN.	1.67	.36	1.02	.71	1.95	4.19	3.58	.65	.11	.13	.06	.02

CAL YR 1979 TOTAL 1151234 MEAN 3154 MAX 17000 MIN 194 CFSM 1.13 IN 15.35
WTR YR 1980 TOTAL 1085000 MEAN 2964 MAX 31000 MIN 50 CFSM 1.06 IN 14.47

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to current year.
WATER TEMPERATURES: November 1974 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 159 micromhos Nov. 7, 1978; minimum recorded, 30 micromhos Mar. 16, 1977, Sept. 28, 1979, Mar. 20, 21, 1980.
WATER TEMPERATURES: Maximum, 33.5°C July 11-12, 1977, Aug. 4, 1980; minimum recorded, 5.0°C Feb. 8-10, 1978.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 114 micromhos Sept. 29; minimum recorded, 30 micromhos Mar. 20, 21.
WATER TEMPERATURES: Maximum, 33.5°C Aug. 4; minimum, 6.5°C Feb, 5.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 10...	1300	6900	45	4.7	21.5	20.0	6.1
NOV 07...	1445	429	59	5.3	--	19.0	7.4
DEC 05...	1500	418	54	5.4	--	10.0	10.3
JAN 23...	1445	1540	50	5.4	11.0	14.0	8.9
FEB 27...	1530	3270	48	4.4	--	13.0	8.3
MAR 19...	1510	31400	39	4.1	--	16.5	7.0
APR 10...	0800	15700	41	4.9	--	19.5	5.8
MAY 07...	1430	2220	43	4.8	31.0	22.0	6.2
JUN 04...	1430	424	50	5.0	--	29.5	5.5
JUL 09...	1450	495	54	5.7	--	31.0	5.3
AUG 06...	1515	99	70	6.3	34.0	34.0	--
SEP 08...	1200	60	83	6.6	--	30.0	8.1

DATE	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 10...	400	5	3.0	.8	<30	40	20	6	6	1.2
NOV 07...	--	9	4.0	--	--	410	--	10	5	2.0
DEC 05...	--	4	3.0	--	--	15	14	11	7	2.0
JAN 23...	120	8	2.2	1.4	430	50	16	8	3	1.5
FEB 27...	--	--	1.0	--	--	29	9	7	5	1.4
MAR 19...	--	--	10	--	--	59	28	4	3	.8
APR 10...	--	--	1.2	--	--	37	K5	5	4	1.0
MAY 07...	240	10	4.2	1.1	<30	48	17	4	3	.1
JUN 04...	--	--	5.8	--	--	K10	K7	9	7	1.7
JUL 09...	--	--	4.5	--	--	K6	K12	12	10	2.4
AUG 06...	120	15	6.4	1.7	40	15	12	13	8	2.1
SEP 08...	--	--	1.9	--	--	K20	K12	13	0	2.0

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 10...	.8	2.7	.5	1.3	2	6.4	7.2	.0	8.0	85
NOV 07...	1.3	6.2	.8	1.7	5	6.0	9.8	.1	10	74
DEC 05...	1.4	6.2	.8	1.7	4	5.7	11	.0	11	70
JAN 23...	1.0	4.9	.8	1.2	5	5.7	9.7	.0	8.5	66
FEB 27...	.9	4.1	.7	1.3	2	4.6	8.4	.0	5.0	52
MAR 19...	.5	2.4	.5	1.3	1	4.6	4.8	.0	3.1	53
APR 10...	.7	2.8	.5	1.3	1	5.2	5.6	.0	3.6	61
MAY 07...	.9	4.0	.9	1.5	1	6.3	7.6	.0	5.4	66
JUN 04...	1.1	4.8	.7	1.3	2	5.6	8.3	.1	7.8	80
JUL 09...	1.4	4.5	.6	1.8	2	7.3	7.6	.1	7.8	70
AUG 06...	1.9	8.3	1.0	1.6	5	8.9	9.6	.2	8.8	76
SEP 08...	2.0	8.6	1.0	1.5	14	5.3	11	.1	7.7	68

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)
OCT 10...	29	1580	.12	<.02	.020	.84	.86	.00	.88	.86
NOV 07...	41	85.7	.10	.24	.130	.59	.72	.00	.72	.96
DEC 05...	42	79.0	.10	.17	.090	.59	.68	.00	.68	.85
JAN 23...	37	274	.09	.07	.090	.71	.80	.03	.77	.87
FEB 27...	27	459	.07	.02	.020	.61	.63	.05	.58	.65
MAR 19...	18	4490	.07	.00	.010	.44	.45	.03	.42	.45
APR 10...	22	2590	.08	.00	.010	.74	.75	.13	.62	.75
MAY 07...	28	396	.09	.12	.130	.86	.99	.00	.13	1.1
JUN 04...	33	91.6	.11	.24	.100	.89	.99	.00	1.3	1.2
JUL 09...	35	93.6	.10	.13	.000	.77	.77	.08	.69	.90
AUG 06...	45	20.3	.10	.23	.000	.56	.56	.41	.15	.79
SEP 08...	47	11.0	.09	.07	.020	.45	.47	.01	.46	.54

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 10...	3.8	.010	.010	30	32	.6	--	8	149	98
NOV 07...	4.3	.120	.090	19	--	--	540	14	16	76
DEC 05...	3.8	.080	.060	16	--	--	--	8	9.0	100
JAN 23...	3.9	.060	.040	14	13	.7	--	20	83	42
FEB 27...	2.9	.040	.040	14	--	--	--	6	53	91
MAR 19...	2.0	.040	.010	18	--	--	65	17	1440	65
APR 10...	3.3	.030	.020	--	20	.2	--	11	466	83
MAY 07...	4.9	.090	.060	19	--	--	320	15	90	92
JUN 04...	5.4	.110	.080	19	--	--	2400	15	17	62
JUL 09...	4.0	.130	.110	--	23	.1	4600	16	21	81
AUG 06...	3.5	.260	.130	11	--	--	26000	7	1.9	90
SEP 08...	2.4	.220	.150	11	--	--	9300	7	1.1	100

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
OCT 10...	1	1	0	0	--	10	1	1	2	1	1600	1000
JAN 23...	1	0	0	--	<10	<10	0	2	2	2	710	510
APR 10...	0	0	0	--	20	10	0	0	3	5	860	740
JUL 09...	1	1	0	0	10	10	0	0	3	3	1300	580

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 10...	4	2	30	30	<.5	<.5	0	0	0	0	60	4
JAN 23...	3	2	20	20	<.1	<.1	0	0	0	0	--	0
APR 10...	1	5	20	20	.2	.3	0	0	0	0	10	30
JUL 09...	2	1	50	40	<.1	<.1	0	0	0	0	20	20

02228000 SATILLA RIVER AT ATKINSON, GA.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	38	36	67	64	51	47	69	67	---	---	45	44
2	40	38	67	63	52	48	70	68	---	---	47	46
3	43	40	66	63	54	52	71	67	---	---	47	44
4	45	43	67	63	57	53	71	69	---	---	47	44
5	46	43	65	60	57	52	70	69	---	---	46	44
6	46	43	63	61	58	53	71	68	---	---	46	43
7	45	43	69	62	53	42	70	64	---	---	46	44
8	46	42	69	66	44	42	70	66	---	---	47	45
9	45	40	69	63	49	45	71	65	---	---	49	46
10	45	43	64	61	53	50	70	66	---	---	48	44
11	45	42	61	54	55	52	70	64	---	---	46	43
12	46	43	54	52	55	53	71	66	---	---	44	41
13	46	44	55	52	56	54	72	67	---	---	42	37
14	53	44	56	53	57	56	71	70	---	---	39	36
15	54	52	54	51	58	57	71	68	---	---	42	36
16	55	51	54	51	59	57	71	69	---	---	39	36
17	55	52	53	50	60	57	70	68	---	---	37	34
18	57	55	53	50	60	56	69	61	---	---	37	33
19	57	54	52	48	61	57	66	61	---	---	35	32
20	59	56	51	48	60	57	---	---	---	---	33	30
21	60	58	52	49	60	58	---	---	---	---	33	30
22	61	59	51	48	60	58	---	---	---	---	34	33
23	62	59	52	49	60	58	---	---	---	---	36	33
24	64	60	52	50	60	58	---	---	---	---	37	35
25	63	60	52	50	62	61	---	---	---	---	38	36
26	63	59	52	49	64	59	---	---	---	---	39	37
27	62	58	51	48	65	61	---	---	---	---	40	38
28	62	57	50	48	65	62	---	---	---	---	40	38
29	64	61	50	48	64	63	---	---	44	42	41	39
30	65	62	50	48	66	64	---	---	---	---	40	38
31	66	63	---	---	67	66	---	---	---	---	40	38
MONTH	66	36	69	48	67	42	72	61	44	42	49	30

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1			---	---	57	56	63	60			---	---
2			---	---	60	57	63	59			---	---
3			---	---	61	59	67	59			---	---
4			---	---	66	60	63	59			---	---
5			53	51	68	65	67	62			---	---
6			47	46	69	66	67	62			---	---
7			43	41	63	56	61	57			---	---
8			43	42	64	61	58	55			---	---
9			44	43	64	58	54	52			---	---
10			45	44	68	60	53	51			---	---
11			45	44	71	61	54	51			---	---
12			47	45	77	64	54	51			---	---
13			50	47	81	71	58	50			---	---
14			51	49	80	62	65	54			---	---
15			50	49	83	77	68	55			---	---
16			51	50	86	73	69	59			---	---
17			52	50	74	63	67	55			---	---
18			55	53	67	57	61	50			---	---
19			56	55	67	55	63	54			84	82
20			56	54	63	56	65	61			86	83
21			57	55	63	55	66	63			90	80
22			56	55	63	53	68	63			95	90
23			58	55	64	53	66	54			104	90
24			59	56	65	55	58	56			109	102
25			56	55	64	56	---	---			109	102
26			56	55	61	49	---	---			105	100
27			57	56	59	47	---	---			103	94
28			58	55	64	46	---	---			109	100
29			56	55	75	64	---	---			114	100
30			55	54	64	60	---	---			107	100
31			55	54	---	---	---	---			---	---
MONTH			59	41	86	46	69	50			114	80
YEAR	114	30										

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.0	23.5	21.0	20.0	12.5	12.0	10.5	10.5	11.0	9.5	14.0	13.5
2	24.5	24.0	22.0	20.5	12.0	11.0	10.5	10.0	9.5	8.5	13.5	11.0
3	24.5	24.0	22.0	20.5	10.5	9.5	10.5	9.5	8.0	7.5	10.5	9.5
4	24.0	23.5	20.0	18.5	10.5	9.5	10.0	9.5	7.5	7.0	10.5	9.0
5	23.0	22.5	18.5	17.0	10.5	9.0	10.0	9.5	7.5	6.5	11.0	10.0
6	22.0	21.0	19.0	17.0	11.5	10.5	9.5	9.0	7.5	7.0	12.5	11.0
7	21.0	20.5	19.0	17.5	13.5	11.5	9.0	8.0	7.5	7.0	14.0	12.0
8	20.5	20.0	18.5	16.5	13.0	12.5	9.5	9.0	7.5	7.0	15.5	14.0
9	20.5	19.5	19.0	16.5	13.0	12.0	10.5	9.5	8.5	7.5	16.0	15.5
10	20.5	19.5	19.5	18.0	13.0	12.0	10.5	10.5	9.0	8.5	16.5	16.0
11	20.0	19.5	19.5	19.5	13.0	12.0	12.0	10.5	9.5	9.0	17.0	16.0
12	19.5	19.0	19.5	19.0	13.5	12.5	12.5	12.0	9.0	9.0	16.5	16.0
13	19.5	19.0	18.5	17.0	14.5	13.5	12.0	11.5	9.0	9.0	16.0	15.5
14	19.5	19.0	17.0	16.0	14.5	14.5	11.5	11.0	10.0	9.0	16.0	15.0
15	19.0	18.0	16.0	15.0	14.5	13.5	12.0	11.0	11.0	10.0	15.5	15.0
16	19.5	18.5	15.0	13.5	13.5	13.0	12.0	11.0	11.5	11.0	15.5	15.0
17	21.0	19.5	14.0	13.0	12.5	11.5	12.5	11.5	11.5	11.0	15.5	15.0
18	21.0	20.5	13.5	12.5	11.5	10.5	13.0	12.5	11.0	10.0	16.0	15.5
19	22.0	21.0	13.5	12.5	10.5	10.0	13.0	13.0	10.0	9.5	16.0	15.5
20	23.0	21.5	14.0	13.0	9.5	9.5	13.0	13.0	11.0	10.0	17.0	16.0
21	23.0	22.0	14.0	13.0	9.5	9.5	13.0	13.0	12.5	11.0	17.5	16.5
22	23.5	22.0	14.5	13.5	9.5	9.5	13.5	13.0	14.0	12.5	18.0	17.0
23	23.0	22.0	15.5	14.5	10.0	10.0	14.0	13.0	15.5	14.0	18.0	17.0
24	22.5	21.0	16.5	15.5	11.5	10.0	13.0	12.0	16.0	15.5	18.0	17.0
25	21.0	19.5	17.5	16.5	11.5	11.0	12.0	11.5	16.5	16.0	18.5	17.5
26	20.0	19.0	18.5	17.5	11.0	10.5	11.5	11.0	16.0	14.0	18.5	18.0
27	19.5	18.0	17.5	16.5	11.0	10.0	12.0	11.5	14.0	12.5	18.5	17.5
28	19.0	17.5	17.5	16.5	10.5	10.0	12.0	11.5	13.0	12.0	17.5	17.0
29	19.5	17.5	17.0	15.0	10.5	10.0	11.5	10.5	13.5	12.5	17.5	17.5
30	19.5	18.5	15.0	13.5	11.0	10.5	11.5	10.5	---	---	17.5	17.5
31	20.5	19.0	---	---	11.0	10.5	11.5	11.0	---	---	18.5	17.5
MONTH	24.5	17.5	22.0	12.5	14.5	9.0	14.0	8.0	16.5	6.5	18.5	9.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.5	18.0	19.5	19.0	26.5	25.0	30.5	28.5	33.0	31.0	30.0	27.5
2	18.0	18.0	20.0	19.0	27.5	25.0	30.5	29.0	33.0	31.0	30.0	27.5
3	19.0	18.0	20.0	19.0	28.5	26.0	30.5	29.0	33.0	31.5	29.0	28.0
4	19.5	19.0	20.0	19.0	29.5	26.5	31.0	29.5	33.5	31.0	29.0	27.5
5	19.5	18.5	20.5	19.5	30.0	27.5	30.5	29.0	33.0	31.0	29.0	27.0
6	18.5	18.0	21.5	20.0	29.5	28.0	31.0	29.5	33.0	30.5	29.0	26.5
7	18.0	17.5	22.0	20.5	29.0	27.5	30.5	28.5	32.0	29.5	29.5	27.0
8	18.5	18.0	22.0	21.5	30.0	28.0	31.0	29.5	32.5	29.5	29.5	28.0
9	19.5	18.5	22.0	20.5	29.5	28.0	31.5	29.5	31.5	28.0	28.5	27.0
10	20.0	18.5	21.0	20.0	29.5	27.5	32.5	30.0	31.0	29.5	28.5	26.5
11	20.0	18.5	22.0	20.0	30.0	27.0	32.5	30.5	31.0	28.5	28.5	27.5
12	20.0	19.0	23.0	21.0	29.5	27.5	33.0	30.0	31.0	28.5	28.0	26.5
13	20.5	19.0	24.0	22.0	29.0	27.5	33.0	30.5	31.0	28.5	27.5	26.5
14	20.5	20.0	24.5	23.0	29.0	26.0	32.5	31.0	30.0	28.5	28.5	26.5
15	20.0	19.0	25.0	24.0	29.5	27.0	32.5	31.0	29.5	28.0	29.0	27.5
16	19.0	18.5	25.0	24.0	30.0	27.5	32.5	30.0	31.0	28.0	29.0	27.5
17	19.0	18.0	24.5	23.5	31.0	28.0	32.0	30.0	30.5	29.0	29.0	28.0
18	19.0	18.0	26.0	23.5	31.0	28.0	32.0	30.0	30.0	28.5	28.0	26.5
19	18.5	18.0	26.0	25.0	30.0	28.0	32.0	30.0	30.5	28.0	29.0	26.5
20	18.0	17.5	26.0	24.5	29.0	27.5	32.0	30.0	31.5	29.0	28.5	27.0
21	18.5	17.5	27.0	25.0	24.0	27.5	32.0	29.5	32.5	29.5	29.0	27.0
22	19.0	18.0	26.5	25.5	28.5	27.5	32.0	29.0	32.0	29.5	29.5	27.5
23	20.0	18.5	25.5	25.0	29.0	27.0	31.5	29.0	30.5	29.0	29.5	28.0
24	21.0	19.5	26.0	24.5	30.0	27.5	29.0	28.0	29.5	28.0	29.5	28.0
25	21.5	20.5	26.0	24.5	28.5	27.5	28.0	27.0	29.0	27.0	29.0	27.0
26	21.5	21.0	25.5	24.5	28.5	27.0	29.5	26.5	28.0	27.0	29.5	27.0
27	21.0	20.5	26.0	24.5	29.5	27.0	30.0	28.0	28.0	26.5	28.0	27.0
28	21.0	20.0	25.5	24.0	30.5	27.5	31.5	29.0	28.5	26.0	27.5	26.5
29	20.0	19.0	25.5	24.0	30.5	28.5	31.5	29.5	29.5	26.5	27.0	26.0
30	19.5	19.0	26.0	24.0	30.5	28.5	32.0	29.0	30.0	27.0	26.0	25.0
31	---	---	26.0	24.5	---	---	32.5	30.0	30.0	27.0	---	---
MONTH	21.5	17.5	27.0	19.0	31.0	25.0	33.0	26.5	33.5	26.0	30.0	25.0
YEAR	33.5	6.5										

02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW¼ sec.8, T.1 N., R.21 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, near right bank at upstream side of bridge on State Highways 2 and 94, 0.2 mi (0.3 km) upstream from Georgia Southern & Florida Railway bridge, 0.4 mi (0.6 km) west of Moniac, 1.0 mi (1.6 km) downstream from Moccasin Creek, and 122 mi (196 km) upstream from mouth of St. Marys River.

DRAINAGE AREA.--160 mi^2 (410 km^2), approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--January 1921 to December 1923 (published as St. Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to current year.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 89.40 ft (27.249 m) National Geodetic Vertical Datum of 1929. January 1921 to June 1934, nonrecording gage at site 800 ft (240 m) downstream at datum 3.22 ft (0.981 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--35 years (1922-23, 1928-29, 1933, 1951-80), 164 ft^3/s (4.64 m^3/s), 13.92 in/yr (354 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,600 ft^3/s (329 m^3/s) Apr. 5, 1973, gage height, 22.98 ft (7.004 m); no flow for many days in some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,080 ft^3/s (30.6 m^3/s) Mar. 11, gage height, 11.91 ft (3.630 m); minimum discharge, 3.0 ft^3/s (0.085 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	595	29	28	42	228	85	681	124	85	211	181	24
2	520	34	27	40	193	93	551	113	74	156	143	24
3	443	38	26	38	162	95	670	101	64	120	111	23
4	373	39	25	37	142	86	770	91	56	95	88	21
5	311	37	24	37	126	79	724	84	50	76	70	19
6	251	36	28	36	114	75	626	77	43	63	56	16
7	206	35	47	35	106	72	527	69	38	108	46	15
8	171	33	49	34	96	68	468	63	34	109	39	15
9	146	31	46	34	88	177	476	69	30	83	34	14
10	132	30	43	33	100	587	461	97	28	65	30	12
11	138	32	42	33	119	1050	396	94	25	52	47	9.7
12	128	47	40	34	109	976	338	86	21	43	63	7.6
13	113	53	39	38	99	906	306	79	18	37	53	5.9
14	102	51	39	48	92	1050	344	72	16	32	53	5.3
15	91	48	46	53	87	956	448	66	13	29	63	4.7
16	83	45	75	50	82	792	384	64	11	28	59	3.7
17	76	43	86	48	81	656	320	62	8.9	25	54	3.5
18	71	41	80	46	79	577	268	58	7.0	21	128	10
19	65	39	70	45	73	539	245	55	8.3	18	120	28
20	61	37	64	42	69	474	285	80	9.6	15	83	29
21	56	36	60	40	66	418	293	96	8.8	13	62	24
22	52	35	57	39	63	371	261	98	13	12	49	19
23	49	34	54	65	59	303	231	126	46	16	41	15
24	46	33	53	104	62	248	203	131	225	17	38	12
25	42	32	56	96	93	212	173	118	225	78	34	9.3
26	39	34	55	112	128	182	151	152	333	335	31	7.0
27	37	34	51	315	111	160	152	199	429	346	41	5.5
28	35	33	48	420	99	148	164	166	383	283	39	4.7
29	33	31	46	356	91	143	150	136	344	212	35	4.2
30	32	30	45	303	---	320	131	114	282	198	32	3.6
31	30	---	44	258	---	748	---	97	---	215	28	---
TOTAL	4527	1110	1493	2911	3017	12646	11197	3037	2928.6	3111	1951	394.7
MEAN	146	37.0	48.2	93.9	104	408	373	98.0	97.6	100	62.9	13.2
MAX	595	53	86	420	228	1050	770	199	429	346	181	29
MIN	30	29	24	33	59	68	131	55	7.0	12	28	3.5
CFSM	.91	.23	.30	.59	.65	2.55	2.33	.61	.61	.63	.39	.08
IN.	1.05	.26	.35	.68	.70	2.94	2.60	.71	.68	.72	.45	.09

CAL YR 1979 TOTAL 62423.2 MEAN 171 MAX 2100 MIN 1.4 CFSM 1.07 IN 14.51
WTR YR 1980 TOTAL 48323.3 MEAN 132 MAX 1050 MIN 3.5 CFSM .83 IN 11.24

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.
(National stream-quality accounting network station)

LOCATION.--Lat 30°21'31", long 82°04'54", in NW sec.2, T.2 S., R.22 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, on right bank 200 ft (60 m) downstream from site of former Stokes Bridge, 1 mi (2 km) downstream from confluence of North and South Prongs, 6 mi (10 km) northeast of Macclenny, and 100 mi (161 km) upstream from mouth.
DRAINAGE AREA.--700 mi2 (1,810 km2), approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1926 to current year.
REVISED RECORDS.--WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) National Geodetic Vertical Datum of 1929 (levels by Mees and Mees). Prior to Feb. 21, 1939, nonrecording gage and Feb. 21, 1939, to Aug. 15, 1948, water-stage recorder, at site of former bridge 200 ft (60 m) upstream at same datum.
REMARKS.--Records good.
AVERAGE DISCHARGE.--54 years, 680 ft3/s (19.3 m3/s), 13.19 in/yr (335 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,100 ft3/s (796 m3/s) Sept. 25, 1947, maximum gage height, 23.25 ft (7.087 m) Sept. 13, 1964, from floodmark; minimum discharge observed, 12 ft3/s (0.34 m3/s) May 22, 1932; minimum gage height observed, 0.04 ft (0.012 m) June 4, 5, 1927.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft^3/s (56.6 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 12	1300	*6950	197	16.35	4.983
Apr. 5	0700	3020	85.5	12.94	3.944

Minimum discharge, 56 ft3/s (1.59 m3/s) July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3640	133	144	190	843	765	2570	616	560	470	1310	155
2	3160	167	136	180	784	720	2430	553	484	365	1150	142
3	2770	237	129	170	702	703	2330	495	416	320	990	134
4	2440	283	123	165	624	664	2750	449	359	256	846	131
5	2110	244	119	168	557	601	3000	400	313	187	727	124
6	1800	205	133	174	502	539	2890	366	273	170	615	117
7	1540	182	451	168	459	485	2650	343	236	194	511	134
8	1320	166	716	159	423	435	2370	322	206	217	420	138
9	1110	155	663	153	388	504	2220	366	181	203	350	117
10	931	146	546	149	368	1430	2170	558	162	164	304	103
11	819	154	459	146	391	4880	1980	599	148	139	306	95
12	738	277	400	145	406	6920	1700	514	134	123	352	88
13	649	414	359	155	379	6810	1460	432	121	109	356	82
14	569	424	328	181	350	6650	1400	371	109	96	437	86
15	500	367	305	252	327	6180	1500	329	98	86	617	99
16	443	312	306	290	308	5430	1450	307	89	79	586	87
17	398	272	361	274	301	4590	1280	319	81	77	490	78
18	361	242	392	248	305	3820	1100	320	74	73	446	78
19	331	220	372	227	295	3250	1050	337	69	70	539	90
20	305	203	338	208	274	2800	1250	462	66	66	563	104
21	281	189	311	189	254	2430	1310	543	68	62	452	108
22	256	177	290	174	237	2080	1160	529	80	59	347	99
23	233	168	274	202	222	1780	1050	735	116	57	301	91
24	216	161	262	385	214	1520	982	893	292	58	262	87
25	202	156	259	467	337	1310	840	871	359	104	226	77
26	186	184	265	429	742	1110	714	911	470	692	211	71
27	173	216	253	650	967	950	637	1000	648	1020	225	68
28	162	194	235	1010	937	835	687	952	655	1090	236	69
29	152	170	219	1110	840	759	687	836	570	1110	214	74
30	143	155	207	1020	---	1010	650	731	529	1390	188	67
31	136	---	198	917	---	2080	---	642	---	1460	170	---
TOTAL	28074	6573	9553	10355	13736	74040	48267	17101	7966	10566	14747	2993
MEAN	906	219	308	334	474	2388	1609	552	266	341	476	99.8
MAX	3640	424	716	1110	967	6920	3000	1000	655	1460	1310	155
MIN	136	133	119	145	214	435	637	307	66	57	170	67
CFSM	1.29	.31	.44	.48	.68	3.41	2.30	.79	.38	.49	.68	.14
IN.	1.49	.35	.51	.55	.73	3.93	2.57	.91	.42	.56	.78	.16

CAL YR 1979 TOTAL 252296 MEAN 691 MAX 4490 MIN 42 CFSM .99 IN 13.41
WTR YR 1980 TOTAL 243971 MEAN 667 MAX 6920 MIN 57 CFSM .95 IN 12.97

02231000 ST. MARYS RIVER NEAR MACCLENNY, FLA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1965 to current year.
PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 1965 to December 1969, January 1974 to current year.
WATER TEMPERATURES: March 1965 to October 1969, October 1970, January 1974 to September 1976.
REMARKS.—Extremes may have been exceeded during periods of missing record.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 16...	1200	426	45	4.3	21.0	8.4
NOV 14...	1300	420	49	4.7	18.5	7.8
DEC 12...	1400	395	42	4.9	15.5	8.2
JAN 16...	1100	293	47	5.4	13.0	9.2
FEB 20...	1400	272	43	5.0	12.5	10.2
MAR 18...	1200	4230	40	4.2	18.0	6.8
APR 15...	1300	1490	38	4.7	19.0	7.2
MAY 07...	1100	353	39	4.6	23.0	7.2
JUN 04...	1200	360	38	4.5	26.5	6.6
JUL 08...	1030	203	48	4.8	29.5	6.1
AUG 11...	1100	360	46	4.1	27.5	5.6
SEP 03...	1130	134	44	4.8	27.5	6.1

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 16...	3.0	--	--	8	8	1.8	.9	3.3	.5	.2	0	7.0
NOV 14...	2.0	400	130	11	6	2.7	1.1	4.1	.5	.9	5	6.7
DEC 12...	1.0	103	57	10	8	2.3	1.1	3.9	.5	.4	2	5.0
JAN 16...	.70	115	70	14	8	3.0	1.5	4.6	.5	.4	6	6.2
FEB 20...	1.0	80	26	10	6	2.1	1.1	3.6	.5	.2	4	5.9
MAR 18...	2.0	62	36	5	4	1.3	.5	2.7	.5	.2	1	6.7
APR 15...	2.0	339	75	6	6	1.3	.7	3.1	.5	.3	0	7.0
MAY 07...	.90	--	--	9	5	1.8	1.0	4.0	.6	.2	4	6.4
JUN 04...	2.0	30	190	9	7	2.1	.8	3.3	.5	.2	2	7.1
JUL 08...	1.1	145	16	11	9	2.4	1.1	3.2	.4	.2	2	6.4
AUG 11...	1.0	140	186	11	10	2.6	1.0	3.2	.4	.3	1	8.4
SEP 03...	1.0	140	30	12	6	2.4	1.4	3.1	.4	.3	6	5.5

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 16...	7.4	.0	6.4	90	27	104	.03	.020	.05	.010	.89	.90
NOV 14...	8.5	.0	7.9	88	36	99.8	.04	.010	.05	.020	.73	.75
DEC 12...	8.1	.0	7.5	72	30	76.8	.03	.010	.04	.020	.58	.60
JAN 16...	8.5	.0	8.7	72	37	57.0	.12	.010	.13	.010	.72	.73
FEB 20...	7.8	.0	5.8	72	29	52.9	.07	.010	.08	.020	.66	.68
MAR 18...	5.2	.0	2.6	68	20	777	.00	.020	.02	--	.58	.60
APR 15...	5.7	.0	3.3	72	21	290	.01	.020	.03	.020	.86	.88
MAY 07...	6.7	.1	4.7	76	28	72.4	.05	.020	.07	.080	.80	.88
JUN 04...	6.4	.0	3.8	78	25	75.8	.04	.020	.06	.050	1.2	1.3
JUL 08...	6.2	.1	4.8	74	26	40.6	.05	.020	.07	.010	.63	.64
AUG 11...	6.6	.1	6.1	89	30	86.5	.03	.020	.05	.020	1.1	1.1
SEP 03...	6.6	.1	7.2	79	30	28.6	.00	.020	.02	.010	.87	.88

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	PERIPHYTON BIOMASS ASH WEIGHT G/SQ M	PERIPHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
OCT 16...	.84	.95	4.2	.020	.020	--	--	--	--	--	6	6.9
NOV 14...	.65	.80	3.5	.060	.050	--	30	29	.550	.790	--	--
DEC 12...	.57	.64	2.8	.030	.030	36	--	--	--	--	--	--
JAN 16...	.67	.86	3.8	.050	.040	27	--	280	--	--	--	--
FEB 20...	.68	.76	3.4	.030	.030	24	--	--	--	--	--	--
MAR 18...	.65	.62	2.7	.030	.020	--	--	--	--	--	--	--
APR 15...	.94	.91	4.0	.050	.030	40	--	150	--	--	--	--
MAY 07...	.84	.95	4.2	.080	.040	--	33	--	3.15	4.09	--	--
JUN 04...	.96	1.3	5.8	.110	.070	36	--	26	--	--	--	--
JUL 08...	.58	.71	3.1	.050	.030	30	--	--	--	--	--	--
AUG 11...	.74	1.2	5.2	.040	.030	--	49	64	2.68	4.02	--	--
SEP 03...	.64	.90	4.0	.040	.030	30	--	--	--	--	5	1.8

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
NOV 14...	1	0	1	0	10	10	2	0	1	2	680	570
FEB 20...	1	0	0	1	10	10	0	0	6	1	370	340
MAY 07...	1	1	0	0	20	10	0	0	2	4	710	580
AUG 11...	1	1	0	0	30	20	0	0	0	5	940	750

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 14...	7	0	10	10	.2	.3	0	0	0	0	10	0
FEB 20...	0	0	10	8	.1	.1	0	0	0	0	10	0
MAY 07...	1	0	20	10	<.1	<.1	0	0	0	0	10	10
AUG 11...	3	3	20	10	.4	.4	0	0	0	0	160	10

DATE	PCB TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
FEB 20...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)
FEB 20...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	45	56	45	46	44	37	36	42	42	41	40
2	45	45	47	44	47	45	39	36	41	42	41	39
3	46	46	49	45	46	44	39	36	41	42	41	41
4	47	52	50	45	46	46	37	35	42	40	42	42
5	46	46	54	46	46	37	38	---	39	38	42	42
6	47	44	52	47	45	45	38	36	38	39	44	46
7	47	44	46	47	---	45	39	36	38	38	44	45
8	46	46	51	47	43	45	39	35	40	39	44	45
9	47	44	47	48	48	42	39	35	46	39	43	45
10	46	46	45	48	43	42	40	36	40	38	43	49
11	47	46	44	51	---	31	40	37	41	39	42	50
12	46	46	44	48	44	31	41	36	43	41	43	50
13	45	49	44	47	44	33	41	35	46	43	41	52
14	---	44	43	45	43	35	40	35	47	47	41	53
15	47	45	43	45	42	36	40	37	50	55	38	56
16	46	44	42	47	42	37	41	35	52	---	38	56
17	45	43	43	47	42	39	41	36	52	48	38	57
18	43	43	44	45	42	40	41	35	53	53	38	58
19	42	44	44	46	42	41	40	36	54	63	40	62
20	42	43	44	45	41	42	40	35	58	56	39	68
21	42	44	43	45	42	42	41	35	60	57	40	56
22	42	44	43	47	41	43	42	35	56	59	39	55
23	42	42	43	45	42	44	42	34	56	62	39	55
24	41	44	42	44	42	44	42	36	52	62	39	55
25	43	44	43	46	45	46	41	36	43	---	39	54
26	44	---	43	44	44	44	40	37	43	43	52	55
27	45	47	44	43	44	43	40	37	47	47	39	57
28	45	49	44	46	45	44	40	38	46	46	41	59
29	46	49	44	46	45	43	39	39	44	44	45	63
30	46	49	44	42	---	41	39	39	44	41	40	66
31	47	---	44	47	---	37	---	39	---	42	37	---
MEAN	45	45	45	46	44	41	40	36	46	46	41	52

WTR YR 1980 MEAN 44 MAX 68 MIN 31

02231220 ST. MARYS RIVER AT BOULOGNE, FLA.

LOCATION.--Lat 30°46'35", long 81°58'44", Nassau County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, at bridge on U.S. Highways 1, 23, and 301, at Boulogne.

DRAINAGE AREA.--1,180 mi^2 (3,060 km^2), approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT					
03...	0715	4.5	17.0	24.0	4.3
NOV					
06...	0845	6.3	16.5	18.0	6.4
DEC					
04...	1245	6.4	13.5	10.5	8.6
JAN					
09...	0945	6.4	15.5	10.5	9.4
APR					
02...	1245	4.7	24.0	19.0	6.5
MAY					
20...	0945	5.6	31.0	26.0	5.5
JUN					
18...	0915	6.2	32.0	28.0	4.9
JUL					
23...	0705	6.6	24.5	29.5	5.2
AUG					
19...	1045	5.5	32.0	28.0	5.6
SEP					
17...	1115	6.4	33.0	28.5	5.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT											
03...	39	400	7	.7	<30	1	<.02	<.020	.020	38	6.0
NOV											
06...	56	400	5	.4	230	8	.05	.030	.020	24	--
DEC											
04...	60	180	8	.7	40	10	.04	.030	.050	21	4.7
JAN											
09...	58	200	4	.7	40	9	.04	.060	.020	18	4.0
APR											
02...	38	240	7	.9	580	2	<.02	.040	.040	29	5.0
MAY											
20...	45	360	7	.8	930	5	.06	.050	.100	26	4.6
JUN											
18...	56	300	3	.6	<30	9	.08	.060	.070	26	5.3
JUL											
23...	68	250	10	1.1	150	14	.10	.040	.050	17	5.0
AUG											
19...	42	250	5	.9	90	3	.05	.020	.050	30	4.8
SEP											
17...	59	200	1	.5	90	12	.08	.060	.050	21	4.5

02314500 SUWANNEE RIVER AT FARGO, GA.

LOCATION.--Lat 30 40'50", long 82 33'38", Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on U.S. Highway 441 at Fargo, 4 mi (6.4 km) upstream from Suwannoochee Creek, and 12 mi (19 km) downstream from Mixons Ferry damsite.

DRAINAGE AREA.--About 1,260 mi^2 (3,260 km^2), includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1921 to September 1923 (gage heights only), January 1927 to December 1931, April 1937 to current year Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.--Water-stage recorder. Datum of gage is 91.90 ft (28.011 m) National Geodetic Vertical Datum of 1929. Jan. 27, 1921, to Sept. 30, 1923, nonrecording gage at site 1,200 ft (366 m) upstream at datum 3.00 ft (0.914 m) higher. Jan. 27, 1927, to Dec. 31, 1931, and Apr. 20 1937, to June 10, 1938, nonrecording gage at site 1,000 ft (305 m) upstream at datum 1.00 ft (0.305 m) higher, June 11, 1938, to Nov. 26, 1952, nonrecording gage at site 1,000 ft (305 m) upstream at present datum. Oct. 14, 1960, to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi (4.8 km) upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi (3.2 km) upstream.

REMARKS.--Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

AVERAGE DISCHARGE.--47 years (1927-31, 1937-80), 1,097 ft^3/s (31.1 m^3/s), 11.82 in/yr (300 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s (391 m^3/s) Oct. 1, 5, 6, 1928; maximum gage height, 21.01 ft (6.404 m) Apr. 9, 1973; no flow at times in 1931, 1943, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft^3/s (56.6 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 1	0900	2460	69.7	11.14	3.395	Apr. 10	0900	*3160	89.5	12.02	3.665

Minimum discharge, 49 ft^3/s (1.39 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2460	711	369	637	976	1790	2530	2100	975	730	237	97
2	2440	685	355	623	1010	1760	2580	2050	933	739	220	92
3	2410	662	342	607	1040	1730	2640	1990	888	727	198	87
4	2350	636	329	595	1070	1700	2820	1930	840	695	176	83
5	2320	607	319	587	1100	1660	2960	1880	796	648	158	84
6	2290	582	342	575	1130	1620	3020	1830	749	592	143	90
7	2270	558	491	560	1160	1590	3040	1780	698	536	129	87
8	2230	536	518	547	1170	1550	3070	1720	647	480	118	82
9	2180	514	513	534	1190	1570	3130	1740	596	430	108	80
10	2150	494	509	520	1290	1720	3150	1740	576	388	108	77
11	2150	503	511	508	1450	1920	3130	1680	602	353	108	74
12	2120	560	516	508	1580	2000	3070	1620	595	325	102	70
13	2070	560	526	505	1630	2000	3000	1540	540	302	130	66
14	2010	549	534	516	1630	2000	2960	1430	473	281	145	64
15	1930	538	554	519	1610	2010	2950	1310	411	264	190	63
16	1860	529	591	511	1590	2020	2900	1230	363	249	223	55
17	1780	521	640	501	1590	2000	2820	1190	327	238	205	51
18	1710	513	644	492	1580	1990	2760	1150	303	191	193	60
19	1630	505	642	485	1570	2000	2720	1100	298	121	194	66
20	1540	495	642	475	1550	2010	2710	1110	290	74	186	65
21	1440	485	644	465	1510	2050	2690	1080	277	61	172	61
22	1340	474	647	458	1470	2090	2640	1050	281	55	160	58
23	1250	463	651	517	1420	2130	2580	1070	292	54	150	57
24	1190	452	656	573	1380	2160	2510	1080	320	65	148	57
25	1130	441	671	572	1510	2170	2430	1080	364	128	139	56
26	1050	435	678	611	1710	2180	2360	1130	450	284	127	54
27	987	426	677	808	1810	2180	2320	1140	547	275	125	53
28	923	414	672	885	1840	2170	2270	1130	613	260	126	52
29	859	400	664	919	1820	2180	2210	1100	662	256	118	50
30	805	384	656	936	---	2270	2150	1050	699	255	110	49
31	756	---	648	951	---	2400	---	1010	---	248	103	---
TOTAL	53630	15632	17151	18500	41386	60620	82120	44040	16405	10304	4749	2040
MEAN	1730	521	553	597	1427	1955	2737	1421	547	332	153	68.0
MAX	2460	711	678	951	1840	2400	3150	2100	975	739	237	97
MIN	756	384	319	458	976	1550	2150	1010	277	54	102	49
CFSM	1.37	.41	.44	.47	1.13	1.55	2.17	1.13	.43	.26	.12	.05
IN.	1.58	.46	.51	.55	1.22	1.79	2.42	1.30	.48	.30	.14	.06

CAL YR 1979 TOTAL 344187.7 MEAN 943 MAX 2460 MIN 5.2 CFSM .75 IN 10.16
WTR YR 1980 TOTAL 366577.0 MEAN 1002 MAX 3150 MIN 49 CFSM .80 IN 10.82

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
09...	0810	2200	4.2	18.0	17.5	5.4
NOV						
14...	1010	550	3.9	14.0	17.0	5.9
DEC						
12...	1130	516	3.9	27.5	14.0	7.7
JAN						
16...	1020	512	3.9	16.0	11.0	8.5
FEB						
19...	0800	1570	4.2	11.0	11.0	8.1
MAR						
04...	1500	1690	4.2	16.0	10.0	9.3
APR						
09...	1045	3130	4.0	22.5	19.5	5.7
MAY						
14...	0920	1440	3.8	25.0	23.5	5.3
JUN						
11...	0935	602	4.0	29.5	26.5	5.1
JUL						
16...	0805	251	3.8	28.0	29.0	4.9
AUG						
19...	0845	195	4.2	28.5	28.0	5.6
SEP						
17...	0955	50	4.0	28.0	28.0	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT											
09...	58	480	1	.8	70	1	<.02	.020	<.020	47	4.2
NOV											
14...	56	300	4	.4	<30	2	.02	.020	.020	40	8.7
DEC											
12...	54	240	6	2.0	<30	<1	<.02	<.020	.030	34	6.0
JAN											
16...	52	200	2	.8	<30	1	<.02	.040	<.020	31	6.4
FEB											
19...	51	180	7	.6	<30	2	<.02	.020	<.020	35	5.3
MAR											
04...	51	200	3	1.6	40	1	<.02	<.020	.020	33	5.9
APR											
09...	44	280	1	1.0	40	2	.04	<.020	<.020	37	3.0
MAY											
14...	44	200	2	1.0	40	3	<.02	.020	<.020	41	9.2
JUN											
11...	49	275	4	.8	1200	6	.02	.050	.040	31	7.2
JUL											
16...	45	300	10	.4	<30	1	<.02	.040	.030	32	7.4
AUG											
19...	57	250	2	1.8	40	6	.03	.030	.040	36	6.2
SEP											
17...	44	250	1	1.0	<30	2	<.02	.060	.030	32	6.2

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA.

LOCATION.--Lat 31°23'03", long 83°11'33", Berrien County, Hydrologic Unit 03110202, near right bank on downstream side of bridge on State Highway 50, 2 mi (3.2 km) east of Alapaha, and 6 mi (9.7 km) upstream from Willacoochee River.
DRAINAGE AREA.--663 mi² (1,720 km²).
PERIOD OF RECORD.--October 1969 to current year. Water-discharge records for water years 1937-76 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
30...	0900	24	59	5.9	16.0	7.0
JUN						
25...	1000	7.0	52	6.2	26.0	4.6

DATE	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT										
30...	100	7.0	12	4	2.4	1.4	3.8	1.8	8	3.8
JUN										
25...	50	6.5	12	4	2.5	1.4	3.7	1.6	8	3.1

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT										
30...	9.7	.1	11	67	4.34	.08	.040	.89	.93	.00
JUN										
25...	8.5	.1	11	76	1.44	.11	.130	.53	.66	.14

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT										
30...	.94	1.0	.040	.12	.020	30	1	1	1	<10
JUN										
25...	.52	.77	.060	.18	.040	140	1	0	1	20

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
30...	13	770	5	3	70	.1	<.1	0	50	13
JUN										
25...	0	940	1	1	170	.2	<.1	0	2	14

02316120 TURKEY BRANCH NEAR FITZGERALD, GA.

LOCATION.--Lat 31°40'45", long 83°15'03", Ben Hill County, Hydrologic Unit 03110202, at bridge on county road 1.8 mi (2.4 km) south of Fitzgerald.

DRAINAGE AREA.--14.5 mi2 (37.6 km2).

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 10...	0630	7.1	19.0	19.0	1.7
NOV 12...	1115	6.6	19.0	23.0	5.1
DEC 11...	0945	6.8	17.0	10.5	2.7
JAN 15...	1100	6.6	12.0	8.0	3.3
APR 07...	1515	6.4	20.0	18.0	5.2
MAY 12...	0930	6.3	26.5	22.0	.9
JUN 09...	0850	6.7	28.0	25.0	--
JUL 14...	0905	6.7	31.0	29.0	.1
AUG 20...	0605	6.8	24.5	27.0	.7
SEP 15...	1220	7.2	34.0	28.0	.1

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	254	60	14	9.2	162000	64	.34	2.700	1.700	14
NOV 12...	114	120	13	5.2	4300	19	.28	.370	.500	14
DEC 11...	207	50	12	3.6	1500	45	.71	1.200	1.160	9.2
JAN 15...	176	60	7	2.4	2300	38	.80	.950	.810	8.0
APR 07...	98	80	8	3.6	430	19	.74	.420	.390	9.0
MAY 12...	118	70	14	7.2	430	30	<.02	1.110	.780	9.3
JUN 09...	230	55	23	6.8	930	61	.02	4.500	2.100	13
JUL 14...	280	80	23	--	--	88	.04	5.200	2.300	19
AUG 20...	240	150	15	8.8	1500	76	<.02	3.500	2.220	21
SEP 15...	410	150	17	7.6	--	120	.13	6.600	3.650	17

02316218 STUMP CREEK NEAR OCILLA, GA.

LOCATION.--Lat 31°33'07", long 83°13'23", Irwin County, Hydrologic Unit 03110202, at culvert on county road 1.4 mi (2.3 km) upstream of Little Brushy Creek, and 3 mi (4.8 km) southeast of Ocilla.

DRAINAGE AREA.--18.1 mi2 (46.9 km2).

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 10...	0725	2.3	7.1	20.0	18.5	3.6
NOV 12...	1045	.50	6.6	18.0	23.0	5.4
DEC 11...	0900	4.5	6.8	13.0	10.0	6.5
JAN 15...	0930	5.4	6.8	7.0	7.5	9.3
APR 07...	1345	31	6.5	17.5	16.5	7.6
MAY 12...	0835	7.0	6.3	27.5	21.5	4.8
JUN 09...	0930	.00	6.6	25.0	25.0	--
JUL 14...	0930	.00	6.7	31.5	28.0	.5
AUG 20...	0640	.40	6.8	25.0	26.0	2.2

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	185	100	18	9.2	2300	47	.77	.150	1.200	17
NOV 12...	106	160	16	6.4	93000	10	.65	.050	.300	14
DEC 11...	159	80	15	2.0	230	31	.35	.110	.780	8.9
JAN 15...	95	90	7	2.0	2300	15	.21	.140	.150	7.0
APR 07...	77	120	10	2.8	230	15	.43	.110	.220	13
MAY 12...	91	100	12	3.2	220	17	.65	.270	.320	14
JUN 09...	180	50	13	5.6	230	58	.06	.900	.450	13
JUL 14...	230	100	21	--	--	62	.04	2.320	1.000	24
AUG 20...	230	100	10	4.0	4300	51	.15	1.300	.790	18

02317500 ALAPAHA RIVER AT STATENVILLE, GA.

LOCATION.--Lat 30°42'14", long 83°02'00", Echols County, Hydrologic Unit 03110202, at downstream side of left bank pier of bridge on State Highway 94, 0.2 mi (0.3 km) west of Statenville.

DRAINAGE AREA.--1,400 mi2 (3,630 km2), approximately.

PERIOD OF RECORD.--January to June 1921, October 1931 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 822: 1936, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft (23.400 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Jan. 28 to June 30, 1921, nonrecording gage at site 50 ft (15 m) upstream at datum 2.10 ft (0.64 m) higher. Dec. 10, 1931, to Nov. 30, 1949, nonrecording gage at site 200 ft (61 m) upstream at present datum, and Dec. 1, 1949, to Nov. 22, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--49 years (1931-80), 1,050 ft3/s (29.7 m3/s), 10.18 in/yr (259 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,300 ft3/s (773 m3/s) Apr. 6, 1948, gage height, 29.8 ft (9.08 m), from graph based on gage readings; minimum, 16 ft3/s (0.45 m3/s) Nov. 13, 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 6, 1948, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft3/s (70.8 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Feb. 7	1200	2500	70.8	11.24	3.426
Mar. 22	2100	*9480	268	26.04	7.937
Apr. 12	1000	8560	242	25.58	7.797

Minimum discharge, 31 ft3/s (0.88 m3/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	675	124	319	650	2020	1600	5530	2490	535	126	133	45
2	759	121	298	634	2060	1510	5380	2260	475	152	114	44
3	845	122	281	610	2130	1400	5400	2060	451	169	99	43
4	917	113	266	587	2220	1260	5500	1930	497	164	87	42
5	977	107	260	584	2330	1130	5650	1850	572	151	78	42
6	997	104	355	582	2430	1050	5830	1770	624	137	72	40
7	954	102	805	578	2490	1030	6060	1630	607	133	67	37
8	857	100	1180	579	2460	967	6330	1440	512	126	64	44
9	806	99	1470	575	2370	1060	6680	1280	411	116	62	45
10	789	101	1590	566	2330	1320	7410	1240	338	108	62	40
11	752	147	1520	565	2320	1650	8230	1150	287	106	65	42
12	672	296	1330	605	2250	1760	8510	1050	253	109	61	39
13	583	454	1150	654	2170	2080	8180	1030	228	115	58	37
14	510	609	1030	666	2070	2820	7470	1030	204	119	60	36
15	444	578	966	656	2010	3290	6700	1000	187	117	62	36
16	389	536	935	647	1980	3820	6180	952	170	103	61	35
17	350	535	919	646	2010	4340	5530	893	157	95	58	35
18	317	521	870	643	2040	4890	4920	826	147	92	62	50
19	290	507	840	626	2060	5520	4440	817	139	87	76	49
20	268	503	821	601	2050	6260	3990	886	141	82	74	43
21	248	502	803	588	1970	7700	3590	857	132	85	65	41
22	231	486	785	584	1830	9240	3270	776	126	78	64	40
23	217	459	756	715	1700	9370	3010	724	133	73	57	38
24	201	437	718	947	1630	8900	2770	643	157	75	54	35
25	184	424	703	950	1800	8350	2550	551	157	124	51	34
26	170	421	679	1010	1920	7880	2440	580	160	175	49	33
27	157	407	658	1380	1850	7360	2560	639	167	220	49	33
28	148	389	648	1670	1780	6810	2770	640	162	192	51	37
29	141	372	643	1800	1690	6440	2850	627	145	163	48	46
30	134	347	647	1890	---	6080	2730	603	129	154	47	44
31	128	---	655	1940	---	5770	---	577	---	146	45	---
TOTAL	15110	10023	24900	25728	59970	132657	152460	34801	8403	3892	2055	1205
MEAN	487	334	803	830	2068	4279	5082	1123	280	126	66.3	40.2
MAX	997	609	1590	1940	2490	9370	8510	2490	624	220	133	50
MIN	128	99	260	565	1630	967	2440	551	126	73	45	33
CFSM	.35	.24	.57	.59	1.48	3.06	3.63	.80	.20	.09	.05	.03
IN.	.40	.27	.66	.68	1.59	3.52	4.05	.92	.22	.10	.05	.03

CAL YR 1979 TOTAL 410445 MEAN 1125 MAX 8490 MIN 99 CFSM .80 IN 10.91
WTR YR 1980 TOTAL 471204 MEAN 1287 MAX 9370 MIN 33 CFSM .92 IN 12.52

02317718 NEW RIVER NEAR TIFTON, GA.

LOCATION.—Lat 31°26'33", long 83°28'33", Tift County, Hydrologic Unit 03110203, at bridge on U.S. Highway 82, 1.6 mi (2.6 km) east of Tifton.
DRAINAGE AREA.—10.4 mi2 (26.9 km2).
PERIOD OF RECORD.--July 1979 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
10...	0930	1.8	7.3	16.0	19.5	1.4
NOV						
12...	0945	8.0	6.9	18.0	22.0	4.2
DEC						
11...	1030	4.9	6.7	19.0	12.5	3.0
JAN						
15...	1145	6.0	7.3	14.0	11.0	5.8
APR						
07...	1210	91	6.4	18.5	17.0	8.7
MAY						
12...	1110	4.4	6.8	28.5	23.5	7.2
JUN						
09...	1120	1.8	7.4	28.0	27.0	--
JUL						
14...	0815	2.1	7.2	30.5	28.5	.8
AUG						
20...	0730	.80	7.4	26.0	25.5	.8
SEP						
15...	1330	.80	7.7	33.5	29.0	.0

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
10...	473	40	7	7.6	7500	115	3	1.7	5.600	3.800	13
NOV											
12...	203	160	54	5.8	230000	32	21	1.9	1.480	.900	8.0
DEC											
11...	322	60	24	>5.7	70	72	6	2.3	4.440	1.360	7.0
JAN											
15...	283	50	17	>7.9	430	72	11	1.0	6.800	2.230	7.0
APR											
07...	130	60	46	5.9	75000	25	--	1.4	.760	.490	14
MAY											
12...	160	90	35	5.7	230	41	23	1.3	1.760	1.100	7.8
JUN											
09...	410	30	16	>5.8	430	138	25	.05	7.500	4.400	13
JUL											
14...	520	40	23	--	--	162	23	<.02	8.600	5.350	17
AUG											
20...	540	50	10	6.0	3300	156	6	<.02	7.200	7.400	12
SEP											
15...	500	100	18	>7.0	--	145	27	.54	6.100	4.900	9.0

02317748 WITHLACOOCHEE RIVER NEAR BEMISS, GA.

LOCATION.--Lat 30°57'24", long 83°16'12", Lowndes County, Hydrologic Unit 03110203, on downstream side of county bridge on Skipper Bridge Road, 1.9 mi (3.1 km) downstream from Cat Creek, and 3.0 mi (4.8 km) northwest of Bemiss.

DRAINAGE AREA.--501 mi^2 (1,300 km^2), approximately.

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 130 ft (40 m), from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,000 ft^3/s (396 m^3/s) Feb. 26, 1979, gage height, 22.24 ft (6.779 m), from rating curve extended above 7,000 ft^3/s (198 m^3/s) and runoff comparison with nearby station; minimum discharge, 4.1 ft^3/s (0.12 m^3/s) Oct. 25, 1978 July 23, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft^3/s (45.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 15	1300	*7080	201	19.85	6.050	Apr. 25	0500	1800	51.0	13.82	4.212
Apr. 8	2100	4430	125	18.03	5.496						

Minimum discharge, 4.1 ft^3/s (0.12 m^3/s) July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	22	72	223	1300	344	2450	727	177	45	27	6.7
2	209	20	68	213	1200	318	3250	641	138	37	16	12
3	206	23	65	198	1150	300	3620	507	108	32	12	10
4	206	75	63	194	1100	277	3660	393	86	27	9.6	8.0
5	195	92	65	226	833	261	3430	318	70	22	7.9	8.5
6	171	66	323	232	704	276	3130	278	58	17	6.7	8.2
7	148	49	1100	222	616	300	2880	254	48	20	5.9	7.1
8	123	42	1400	213	539	351	4050	231	40	23	5.2	6.5
9	100	39	1200	222	485	481	4000	286	34	17	4.8	6.0
10	84	48	1100	234	621	756	3120	379	29	12	4.6	5.6
11	75	251	786	244	750	1110	2510	301	25	11	4.6	5.1
12	68	678	598	278	759	1370	2160	272	23	9.7	4.6	4.6
13	59	789	503	274	746	1960	1950	303	20	8.5	4.3	4.5
14	52	602	425	272	775	4470	1820	365	17	7.3	30	5.0
15	48	351	368	263	862	6840	1620	355	15	6.4	27	5.0
16	43	253	336	247	926	5990	1340	308	13	5.9	16	4.6
17	39	229	336	236	882	4650	1140	407	12	5.4	16	5.1
18	37	217	364	231	761	3730	1060	334	11	4.9	13	17
19	34	193	361	229	652	2910	1050	419	12	4.6	16	78
20	31	163	323	219	557	2330	1030	687	21	4.4	17	24
21	28	137	299	208	485	1940	923	757	19	4.5	18	15
22	27	117	280	195	437	1690	722	631	15	4.5	18	12
23	29	99	263	295	409	1550	730	543	14	4.3	23	9.8
24	31	88	252	412	418	1440	1420	493	21	22	18	8.4
25	30	81	278	412	545	1250	1730	409	36	107	13	10
26	27	99	281	497	555	1020	1340	333	68	195	11	20
27	26	113	267	894	521	828	1060	308	71	111	10	16
28	24	113	250	1100	469	735	887	304	63	49	8.6	25
29	21	97	235	1200	404	711	747	295	63	34	7.4	22
30	20	82	226	1300	---	1130	724	265	58	60	6.2	25
31	21	---	227	1350	---	1850	---	220	---	49	5.9	---
TOTAL	2464	5228	12714	12533	20461	53168	59553	12323	1385	960.4	387.3	394.7
MEAN	79.5	174	410	404	706	1715	1985	398	46.2	31.0	12.5	13.2
MAX	252	789	1400	1350	1300	6840	4050	757	177	195	30	78
MIN	20	20	63	194	404	261	722	220	11	4.3	4.3	4.5
CFSM	.16	.35	.82	.81	1.41	3.42	3.96	.79	.09	.06	.03	.03
IN.	.18	.39	.94	.93	1.52	3.95	4.42	.91	.10	.07	.03	.03

CAL YR 1979 TOTAL 180932.0 MEAN 496 MAX 13800 MIN 16 CFSM .99 IN 13.43

WTR YR 1980 TOTAL 181571.4 MEAN 496 MAX 6840 MIN 4.3 CFSM .99 IN 13.48

02317749 WITHLACOOCHEE RIVER ABOVE VALDOSTA, GA.

LOCATION.--Lat 30°55'57", long 83°17'22", Lowndes County, Hydrologic Unit 03110203, at county highway bridge, 1.5 mi (2.4 km) upstream from Bay Branch, and 7 mi (11 km) north of Valdosta.
PERIOD OF RECORD.—November 1974 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 09...	1300	94	6.6	28.0	20.0	7.1
NOV 14...	1420	610	5.4	17.0	16.5	6.6
DEC 12...	1500	600	5.8	24.0	13.5	7.9
JAN 16...	1445	230	6.5	20.5	11.0	9.1
APR 09...	1425	4000	5.3	25.0	19.0	5.7
MAY 14...	1415	352	5.8	30.0	22.0	6.6
JUN 11...	1440	24	6.2	32.0	27.0	4.2
JUL 16...	1330	7.0	6.7	32.0	29.5	5.6
AUG 19...	1320	14	6.6	34.5	28.5	5.3
SEP 17...	1415	5.1	6.6	24.0	24.5	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	153	200	5	1.7	40	14	.19	.070	.270	21
NOV 14...	70	225	9	1.3	1500	4	.10	.040	.140	22
DEC 12...	61	180	10	.2	150	5	.02	<.020	.120	20
JAN 16...	78	120	6	.7	90	14	.13	.060	.140	13
APR 09...	38	240	20	1.2	430	2	.10	.020	.090	20
MAY 14...	75	140	11	2.3	230	5	.18	.070	.160	15
JUN 11...	89	120	8	1.0	150	11	.37	.090	.240	9.5
JUL 16...	130	80	12	1.9	150	20	.06	.060	.270	14
AUG 19...	150	80	4	1.5	<30	12	.17	.070	.210	12
SEP 17...	152	50	1	1.4	2300	20	.08	.100	.380	8.0

02317757 WITHLACOOCHEE RIVER NEAR VALDOSTA, GA.

LOCATION.--Lat 30°51'00", long 83°20'23", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 94, 0.8 mi (1.3 km) upstream from Little River, and 4 mi (6 km) northwest of Valdosta.
PERIOD OF RECORD.--November 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 09...	1210	50	6.8	31.0	21.5	7.0
NOV 14...	1350	700	5.8	16.0	17.0	6.8
DEC 12...	1430	770	5.8	25.0	14.0	7.9
JAN 16...	1345	230	6.7	20.5	12.0	8.8
APR 09...	1340	4660	5.2	25.0	19.0	5.6
MAY 14...	1305	305	6.1	31.0	22.5	6.8
JUN 11...	1335	12	6.9	32.0	26.0	2.7
JUL 16...	1215	9.0	6.9	32.5	29.0	.9
AUG 19...	1215	10	7.2	33.0	27.0	1.1
SEP 17...	1310	12	7.0	28.0	24.0	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	143	180	6	3.4	<30	17	.32	.800	.490	21
NOV 14...	62	225	11	2.2	930	4	.08	.100	.200	21
DEC 12...	63	200	17	1.8	750	5	.05	.050	.220	19
JAN 16...	89	120	10	1.4	<30	11	.20	.200	.300	11
APR 09...	41	200	14	1.6	200	2	.08	.050	.090	23
MAY 14...	76	160	10	2.8	150	9	.24	.280	.200	15
JUN 11...	282	20	7	2.8	1500	53	.31	2.000	1.210	10
JUL 16...	300	30	40	4.0	1500000	74	.06	4.500	1.420	14
AUG 19...	360	40	17	4.0	2300	80	.06	4.900	2.400	10
SEP 17...	380	40	5	3.2	3900	88	.06	10.200	3.000	7.0

02317800 LITTLE RIVER NEAR TIFTON, GA.

LOCATION.—Lat 31°26'21", long 83°33'38", Tift County, Hydrologic Unit 03110204, at bridge on U.S. Highway 82, 3 mi (4.8 km) west of Tifton.

DRAINAGE AREA.—145 mi^2 (376 km^2), approximately.

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 10...	0900	33	6.6	17.0	18.5	5.8
NOV 12...	1300	150	6.5	19.0	23.0	4.9
DEC 11...	1220	190	6.2	24.0	12.0	8.2
JAN 15...	1330	110	6.9	16.5	10.0	9.6
APR 07...	0825	700	5.9	17.5	16.0	7.8
MAY 12...	1140	120	6.2	30.5	19.5	6.3
JUN 09...	1150	3.4	6.3	28.5	25.5	--
JUL 14...	0800	9.3	6.4	30.0	28.0	4.6

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	71	120	5	1.8	280	11	<.02	.030	.020	17
NOV 12...	72	180	14	2.9	4300	10	.02	.030	.060	12
DEC 11...	71	80	14	.7	430	6	<.02	.060	.030	6.5
JAN 15...	68	90	8	1.5	90	10	.06	.070	<.020	7.0
APR 07...	48	160	37	1.4	430	8	.23	.050	.100	13
MAY 12...	58	110	18	.9	230	11	.21	.040	.040	10
JUN 09...	78	75	21	1.6	930	18	.27	.240	.080	10
JUL 14...	81	80	19	--	--	14	.12	.040	.050	13

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.

LOCATION.--Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, at bridge on U.S. Highway 84, 4 mi (6.4 km) upstream from Piscola Creek, 6 mi (9.6 km) east of Quitman, and 9 mi (14.5 km) downstream from Little River.

DRAINAGE AREA.--1,480mi² (3,830 km²).

PERIOD OF RECORD.--July 1977 to current year.

REMARKS.--Laboratory chemical analyses by Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for water years 1929-31, 1938-48 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
09...	1115	318	6.2	32.0	21.0	7.0
NOV						
14...	1250	904	5.8	14.5	17.0	6.3
DEC						
12...	1320	1310	6.1	25.0	13.5	8.2
JAN						
16...	1240	781	6.6	20.0	11.5	9.2
APR						
09...	1245	9400	5.3	25.0	19.0	5.7
MAY						
14...	1200	1140	6.4	31.0	23.0	6.7
JUN						
11...	1210	132	6.2	32.0	27.5	5.5
JUL						
16...	1050	33	6.5	29.5	27.5	5.4
AUG						
19...	1100	--	6.8	32.0	28.0	3.8
SEP						
17...	1230	31	7.2	24.5	24.0	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
09...	88	160	8	2.0	90	10	.22	.110	.170	17
NOV										
14...	64	225	18	2.0	2300	6	.12	.070	.300	23
DEC										
12...	79	160	13	1.1	230	6	.07	.040	.190	18
JAN										
16...	79	90	8	1.2	230	10	.18	.110	.160	13
APR										
09...	40	200	16	1.3	900	4	.12	.040	.070	21
MAY										
14...	64	140	15	1.9	150	8	.32	.120	.140	12
JUN										
11...	87	60	14	1.6	70	12	.53	.100	.220	11
JUL										
16...	90	60	15	2.2	<30	13	.74	.060	.340	9.0
AUG										
19...	148	40	3	1.2	430	21	.90	.070	.590	9.0
SEP										
17...	195	40	2	2.4	1600	32	1.5	.880	1.460	7.0

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.

LOCATION.--Lat 30°49'32", long 33°33'45", Brooks County, Hydrologic Unit 03110203, at bridge on State Highway 33, 3.0 mi (4.8 km) north of Quitman.

DRAINAGE AREA.--269 mi^2 (697 km^2), approximately.

PERIOD OF RECORD.--December 1979 to September 1980.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m), from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft^3/s (116 m^3/s) Mar. 15, 1980, gage height, 13.45 ft (4.100 m); no flow Sept. 6-8, 9-28, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34.0 m^3/3) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 15	1800	*4100	116	13.45	4.100	Apr. 2	1100	2080	58.9	12.23	3.728

Minimum discharge, no flow Sept. 6-8, 9-28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	87	1000	213	1610	372	57	58	3.1	.17
2			---	82	900	171	2030	337	46	57	2.2	.12
3			---	77	780	147	1820	281	36	44	1.5	.09
4			---	74	650	135	1670	200	30	31	1.0	.06
5			---	75	563	130	1460	142	25	23	.64	.03
6			---	74	452	144	1700	106	21	17	.38	.00
7			---	72	368	152	1750	88	18	14	.27	.00
8			---	73	307	179	1300	79	16	14	.21	.00
9			---	77	268	510	1060	76	18	12	.16	.02
10			---	80	319	1340	1050	80	26	8.5	.14	.00
11			---	83	411	2060	1180	82	31	5.9	.16	.00
12			---	117	475	2120	1240	90	26	4.3	.14	.00
13			---	138	576	2060	1040	109	20	3.3	.12	.00
14			---	148	611	2630	896	115	19	2.6	.12	.00
15			---	156	562	3930	786	103	16	2.0	.15	.00
16			---	150	472	3020	753	89	12	1.6	.13	.00
17			---	131	425	2060	747	83	9.6	1.2	.15	.00
18			---	110	356	1650	693	128	8.2	.87	2.8	.00
19			---	95	309	1230	580	274	9.0	.61	2.6	.00
20			---	86	321	979	456	286	13	.49	3.2	.00
21			185	82	321	831	347	220	55	.43	4.8	.00
22			170	80	272	722	268	180	98	.35	3.6	.00
23			136	115	217	657	248	152	64	.30	2.8	.00
24			113	157	201	589	331	146	38	.32	6.0	.00
25			106	166	262	501	338	140	28	4.3	4.5	.00
26			98	250	286	415	266	121	29	29	2.6	.00
27			92	551	228	340	253	107	33	37	1.7	.00
28			91	719	225	314	249	120	29	21	1.0	.00
29			92	782	242	342	233	128	36	11	.57	.10
30			92	950	---	796	312	100	50	6.7	.35	.45
31			91	1100	---	1100	---	73	---	4.4	.22	---
TOTAL			---	6937	12379	31467	26666	4607	916.8	416.17	47.31	1.04
MEAN			---	224	427	1015	889	149	30.6	13.4	1.53	.035
MAX			---	1100	1000	3930	2030	372	98	58	6.0	.45
MIN			---	72	201	130	233	73	8.2	.30	.12	.00
CFSM			---	.83	1.59	3.77	3.31	.55	.11	.05	.006	.000
IN.			---	.96	1.71	4.35	3.69	.64	.13	.06	.01	.00

02318725 OKAPILCO CREEK NEAR QUITMAN, GA.

LOCATION.--Lat 30°47'10", long 83°31'33", Brooks County, Hydrologic Unit 03110203, at U.S. Highways 84 and 221, 1.8 mi (2.9 km) east of Quitman.

DRAINAGE AREA.--278 mi2 (720 km2), approximately.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
09...	1030	11	6.9	34.0	20.0	5.8
NOV						
14...	1320	19	6.9	16.0	16.0	5.4
DEC						
12...	1345	396	5.9	25.0	14.0	7.2
JAN						
16...	1310	168	5.9	20.5	11.0	8.2
APR						
09...	1310	1070	5.7	24.0	19.0	6.3
MAY						
14...	1220	137	5.9	29.0	22.0	6.1
JUN						
11...	1245	31	6.1	31.5	25.0	4.3
JUL						
16...	1110	2.9	7.0	31.0	29.5	4.1
AUG						
19...	1120	3.4	7.6	32.0	28.0	5.6
SEP						
17...	1245	.04	7.4	25.0	23.5	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
09...	177	100	11	7.0	4300	19	1.3	.140	.710	15
NOV										
14...	163	100	13	8.0	3900	35	.45	.800	.600	10
DEC										
12...	79	160	18	1.8	750	5	.29	.030	.140	17
JAN										
16...	100	60	9	1.4	7500	7	.70	.160	.130	7.0
APR										
09...	48	200	25	1.2	1500	5	.39	.170	.160	20
MAY										
14...	74	120	21	2.6	930	6	.53	.130	.220	9.5
JUN										
11...	110	80	17	3.6	2300	14	.95	.430	.410	8.5
JUL										
16...	200	40	22	6.4	5400	52	1.7	2.680	1.300	16
AUG										
19...	400	100	30	14	43000	102	4.0	6.400	1.040	23
SEP										
17...	410	120	20	>14	15000	155	.02	7.300	4.100	14

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.

LOCATION.--Lat 30°38'07", long 83°18'41", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 31, 4.3 mi (6.9 km) south of Clyattville.

DRAINAGE AREA.--2,030 mi^2 (5,260 km^2), approximately.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 09...	0940	462	7.2	25.0	21.0	6.2
NOV 14...	1200	1230	6.7	16.0	17.5	6.3
DEC 12...	1245	2220	6.0	23.0	13.0	8.2
JAN 16...	1140	1120	6.8	21.0	12.0	8.7
FEB 20...	1045	3320	6.4	17.0	10.0	8.8
MAR 05...	0845	1480	6.8	16.0	11.0	9.0
APR 09...	1210	13000	5.5	25.0	19.0	5.8
MAY 14...	1135	1500	6.4	30.0	22.5	5.9
JUN 11...	1135	327	7.3	31.5	25.5	4.0
JUL 16...	1010	178	7.7	28.5	27.0	4.2
AUG 19...	1000	155	7.6	30.0	27.5	3.9
SEP 17...	1205	118	7.7	23.0	24.0	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)
OCT 09...	115	120	7	40	1.3	<30
NOV 14...	83	200	14	39	1.5	930
DEC 12...	64	180	15	49	1.2	90
JAN 16...	83	90	8	36	1.3	65
FEB 20...	61	105	17	33	2.3	230
MAR 05...	81	100	8	37	2.1	210
APR 09...	39	200	17	52	1.2	70
MAY 14...	86	120	11	42	3.1	62
JUN 11...	162	60	9	19	.7	110
JUL 16...	160	30	13	--	.4	<30
AUG 19...	210	40	3	--	.5	40
SEP 17...	228	10	<1	--	.9	<30

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA- LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
09...	27	4	.30	.070	1.4	.150	16
NOV							
14...	13	6	.38	.110	.50	.300	12
DEC							
12...	6	3	.10	.030	.50	.170	19
JAN							
16...	15	8	.26	.050	.60	.130	11
FEB							
20...	7	4	.18	.060	.90	.060	15
MAR							
05...	15	<1	.18	.080	.55	.120	--
APR							
09...	3	4	.08	.020	.60	.050	19
MAY							
14...	20	7	.35	.100	1.4	.160	11
JUN							
11...	--	4	.36	.020	.40	.130	6.0
JUL							
16...	78	<1	.26	<.020	--	.140	5.0
AUG							
19...	91	2	.22	.020	--	.120	5.0
SEP							
17...	100	3	.14	.030	--	.120	1.0

02327205 OCHLOCKONEE RIVER NEAR MOULTRIE, GA.

LOCATION.—Lat 31°08'31", long 83°48'13", Colquitt County, Hydrologic Unit 03120002, at bridge on county road 1 mi (1.6 km) from U.S. Highway 314, and 3.0 mi (4.8 km) south of Moultrie.
DRAINAGE AREA.—103 mi2 (267 km2).
PERIOD OF RECORD.—July 1979 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 11...	0710	6.0	7.3	9.5	17.0	.7
NOV 12...	1420	62	6.6	19.0	22.0	3.3
DEC 11...	1410	110	6.2	24.0	12.5	7.2
JAN 17...	0900	56	6.8	17.0	11.5	5.2
APR 07...	0955	600	5.9	17.5	16.0	7.7
MAY 13...	0805	67	6.3	27.0	20.0	3.4
JUN 10...	0900	4.6	7.4	26.5	24.0	.2
JUL 15...	0625	3.6	7.4	27.0	29.5	.4
AUG 18...	0800	3.2	6.8	25.5	28.0	.2
SEP 16...	1030	2.4	7.4	33.5	27.0	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	423	120	6	9.6	1600	81	9	<.02	8.800	1.800	14
NOV 12...	147	160	24	2.9	4300	19	8	1.6	1.380	.500	9.0
DEC 11...	86	120	13	1.9	90	8	2	.15	.260	.180	8.0
JAN 17...	117	90	8	3.7	200	15	2	.34	1.150	.310	7.0
APR 07...	38	200	76	1.4	430	5	20	.24	.110	.210	15
MAY 13...	101	160	21	3.2	210	15	11	.38	1.140	.380	11
JUN 10...	500	80	28	>14	3500000	102	14	<.02	14.000	2.100	24
JUL 15...	860	60	64	48	230000	286	23	--	33.600	5.500	27
AUG 18...	800	50	11	>16	--	185	16	<.02	22.750	4.800	20
SEP 16...	1220	100	14	21	150000	250	9	<.02	35.000	6.800	10

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA.

LOCATION.--Lat 30°52'32", long 84°02'44", Thomas County, Hydrologic Unit 03120002, at bridge on U.S. Highway 84, 2 mi (3.2 km) upstream from Seaboard Coast Line Railroad bridge, 4 mi (6.4 km) upstream from Barnetts Creek, 5 mi (8.0 km) northwest of Thomasville, and 6 mi (9.6 km) downstream from Little Ochlockonee River.

DRAINAGE AREA.--550 mi^2 (1,420 km^2), approximately.

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Records of discharge for the water years 1937-1971 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 11...	0800	86	7.0	13.0	17.0	5.4
NOV 13...	0930	320	7.2	15.0	17.5	6.3
DEC 13...	0930	342	6.7	20.0	13.0	7.8
JAN 17...	1010	385	6.8	19.0	11.5	8.7
APR 08...	1020	4000	5.9	26.0	17.0	6.7
MAY 13...	0910	384	6.1	30.0	21.0	6.1
JUN 10...	0950	66	6.4	29.5	25.0	3.1
JUL 15...	0715	50	6.6	27.0	28.5	5.1
AUG 18...	0910	120	6.5	28.0	28.0	4.4
SEP 16...	1120	16	7.3	34.0	26.5	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	167	120	11	3.2	230	30	.77	.400	.850	13
NOV 13...	156	160	23	4.2	4300	26	.83	.600	.500	11
DEC 13...	107	120	16	1.1	150	14	.89	.110	.360	10
JAN 17...	86	90	11	1.7	200	11	.60	.170	.340	8.0
APR 08...	41	160	35	1.2	2900	6	.20	.040	.160	16
MAY 13...	82	140	18	1.6	1900	11	.75	.220	.260	8.5
JUN 10...	135	100	17	2.4	230	24	.13	.450	.480	9.5
JUL 15...	150	80	24	.9	70	27	1.3	.140	.720	7.0
AUG 18...	112	150	33	1.8	--	16	1.0	.100	.660	11
SEP 16...	430	40	4	1.9	230	62	4.0	.900	2.400	5.8

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.

LOCATION.--Lat 30°43'53", long 84°14'12", Grady County, Hydrologic Unit 03120003, at county highway bridge, 1.5 mi (2.4 km) downstream from Tired Creek, and 6.5 mi (10.5 km) east of Calvary.

DRAINAGE AREA.--930 mi2 (2,410 km2), approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 11...	0840	245	7.0	16.5	17.0	6.4
NOV 13...	1025	650	6.9	17.0	17.5	7.1
DEC 13...	1010	740	6.4	20.0	12.5	8.2
JAN 17...	1045	657	6.6	19.5	11.5	9.0
FEB 20...	1300	1480	6.5	18.0	12.0	9.1
MAR 05...	1050	812	6.6	14.0	10.0	10.0
APR 08...	1050	5700	6.2	27.0	17.0	6.2
MAY 13...	0950	710	6.5	29.0	21.0	6.3
JUN 10...	1020	190	6.9	30.0	25.0	4.8
JUL 15...	0740	125	6.7	27.5	28.5	4.8
AUG 18...	0945	88	6.7	28.0	28.5	5.7
SEP 16...	1150	44	7.4	34.0	26.0	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	128	120	10	1.8	2300	21	11	1.1	.120	.320	10
NOV 13...	119	160	27	1.7	3900	15	21	.87	.120	.400	14
DEC 13...	169	100	16	1.0	430	14	9	.41	.060	.230	11
JAN 17...	152	80	11	1.7	280	12	10	.57	.090	.230	7.0
FEB 20...	72	80	21	1.[illegible]	930	7	6	.34	.080	.110	10
MAR 05...	98	60	14	2.3	230	11	1	.35	.070	.180	8.0
APR 08...	37	240	68	1.2	230	5	10	.13	.030	.190	15
MAY 13...	98	135	22	1.9	430	9	11	.70	.130	.220	11
JUN 10...	133	90	19	1.6	430	21	13	1.1	.220	.310	9.5
JUL 15...	135	80	24	.8	9300	27	9	.82	.060	.370	8.0
AUG 18...	150	100	20	1.2	--	26	12	1.1	.090	.400	8.0
SEP 16...	210	100	11	1.0	<30	45	8	.40	.060	.400	5.0

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.

LOCATION.--Lat 34°32'27", long 83°37'14", Habersham-White County line, Hydrologic Unit 03130001, on downstream side of highway bridge, 1 mi (1.6 km) downstream from Soquee River, 6 mi (9.7 km) northwest of Cornelia, and at mile 401.4 (645.9 km).

DRAINAGE AREA.--315 mi^2 (816 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1957 to current year.

REVISED RECORDS.--WSP 2106: 1963(M).

GAGE.--Water-stage recorder. Datum of gage is 1,128.53 ft (343.976 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good. Some regulation at low flow from Habersham Mill powerplant.

AVERAGE DISCHARGE.--23 years, 878 ft^3/s (24.9 m^3/s), 37.85 in/yr (961 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,400 ft^3/s (478 m^3/s) Mar. 12, 1963, gage height, 20.55 ft (6.264 m), from rating curve extended above 13,000 ft^3/s (368 m^3/s) on basis of contracted-opening measurement of peak flow; minimum daily, 91 ft^3/s (2.58 m^3/s) Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,200 ft^3/s (176 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	0400	8400	238	8.07	2.460	Mar. 21	0600	13200	374	11.30	3.444
Mar. 17	1900	*14500	411	12.11	3.691	Mar. 28	1700	7390	209	7.35	2.240

Minimum daily discharge, 155 ft^3/s (4.39 m^3/s) Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	700	895	598	854	660	1920	1210	996	734	496	420
2	880	3000	836	642	793	687	1800	1200	984	715	473	445
3	802	1500	831	613	752	675	1730	1160	945	669	289	361
4	894	1000	792	663	766	679	1680	1150	923	690	528	376
5	974	850	781	680	726	1200	1580	1150	896	664	555	424
6	789	770	772	566	750	1100	1530	1110	895	640	481	351
7	749	727	756	648	722	1050	1510	1110	883	662	452	194
8	733	698	731	670	711	5830	1720	1100	863	638	427	341
9	699	684	685	669	763	1970	1760	1060	845	625	386	312
10	689	1050	715	650	913	1440	1560	1030	816	621	278	328
11	668	1020	689	1140	885	1220	1480	1030	801	655	542	316
12	660	956	684	1430	808	1460	1900	1020	782	554	484	312
13	599	855	697	968	768	2660	2400	1000	807	410	409	282
14	469	785	702	1050	748	1640	3790	984	758	623	405	155
15	633	741	665	921	749	1350	2190	980	754	570	457	299
16	596	720	623	851	1050	1230	1860	962	720	535	277	284
17	581	666	664	1000	929	6690	1710	1390	802	501	291	337
18	574	666	635	2140	854	4750	1630	1810	934	528	454	425
19	580	684	633	1460	796	2110	1570	1300	827	459	423	324
20	544	655	626	1100	779	2460	1500	1680	770	318	436	585
21	390	646	620	1000	763	7840	1480	1420	710	544	374	448
22	588	637	510	1150	754	2700	1420	1220	722	476	374	452
23	606	642	596	1560	736	2130	1390	1950	785	576	338	338
24	535	1070	685	1120	696	2450	1360	1890	1450	655	220	309
25	555	1810	778	982	716	2170	1330	1520	1300	625	489	631
26	555	3320	677	867	678	1880	1350	1320	1220	573	403	579
27	498	1460	638	846	675	1740	1420	1190	933	619	325	398
28	344	1170	625	826	677	4200	1300	1120	851	905	336	329
29	570	1020	618	777	668	3100	1260	1090	802	630	340	1250
30	825	945	566	775	---	2420	1240	1060	785	573	236	1500
31	800	---	663	1020	---	2170	---	1010	---	505	225	---
TOTAL	20399	31447	21388	29382	22479	73661	50370	38226	26559	18492	12203	13105
MEAN	658	1048	690	948	775	2376	1679	1233	885	597	394	437
MAX	1020	3320	895	2140	1050	7840	3790	1950	1450	905	555	1500
MIN	344	637	510	566	668	660	1240	962	710	318	220	155
CFSM	2.09	3.33	2.19	3.01	2.46	7.54	5.33	3.91	2.81	1.90	1.25	1.39
IN.	2.41	3.71	2.53	3.47	2.65	8.70	5.95	4.51	3.14	2.18	1.44	1.55

CAL YR 1979 TOTAL 403247 MEAN 1105 MAX 12900 MIN 295 CFSM 3.51 IN 47.62
WTR YR 1980 TOTAL 357711 MEAN 977 MAX 7840 MIN 155 CFSM 3.10 IN 42.24

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 05...	1130	848	6.9	16.5	12.5	8.9
JAN 17...	1425	1080	6.9	10.0	8.5	10.7
APR 09...	0830	1790	6.7	13.0	13.5	10.1
MAY 14...	1800	992	6.5	23.0	18.0	9.0
JUL 17...	1220	492	6.8	35.0	25.5	--
SEP 11...	1330	332	6.9	29.5	22.5	8.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 05...	26	11	.5	1600	8	.21	<.020	<.020	<1.0
JAN 17...	23	10	1.0	9300	8	.20	.060	<.020	<1.0
APR 09...	19	15	.6	23000	6	.21	.030	<.020	<1.0
MAY 14...	20	7	.5	1400	13	.18	.020	<.020	<1.0
JUL 17...	24	16	.6	2300	9	.16	<.020	.040	3.0
SEP 11...	27	10	.6	390	9	.17	.020	.040	--

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT 30...	1240	1220	13.0	38	125
DEC 04...	1710	792	5.0	19	41
JAN 24...	1050	1150	--	19	59
MAR 04...	1645	669	6.5	3	5.4
MAY 27...	1350	1200	19.5	11	36
JUL 08...	1845	655	26.0	18	32
AUG 19...	1500	378	26.0	9	9.2

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.--Lat 34°31'41", long 83°56'23", Lumpkin County, Hydrologic Unit 03130001, on left bank 250 ft (76 m) upstream from Bearden Bridge on State Highway 52, 2 mi (3.2 km) downstream from Ballplay Creek, 2.5 mi (4.0 km) east of Dahlonega, and 3.5 mi (5.6 km) upstream from Yahoola Creek.

DRAINAGE AREA.--153 mi^2 (396 km^3).

PERIOD OF RECORD.--June 1929 to January 1932, April 1940 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 1,128.6 ft (343.997 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years (1929-31, 1940-80), 374 ft^3/s (10.6 m^3/s), 33.20 in/yr (843 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,700 ft^3/s (643 m^3/s) Aug. 23, 1967, gage height, 25.17 ft (7.672 m); minimum daily, 49 ft^3/s (1.39 m^3/s) Oct. 4, 1931, Oct. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 12, 1907 reached a stage of about 25 ft (7.6 m), from information by local resident. Flow increased by failure of dam above station.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,600 ft^3/s (73.6 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	0330	4340	123	8.68	2.646
Mar. 17	1900	*9210	261	14.41	4.392
Mar. 21	0545	6370	180	11.21	3.417
Mar. 28	1600	3050	86.4	6.91	2.106
Apr. 13	2045	2780	78.7	6.47	1.972

Minimum discharge, 83 ft^3/s (2.35 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	385	261	352	238	366	304	968	477	387	279	162	153
2	340	1310	332	232	339	313	885	458	371	269	162	149
3	307	624	316	225	328	290	833	446	358	264	155	132
4	385	410	307	278	318	290	787	434	346	259	153	125
5	400	349	300	296	307	675	730	426	334	250	161	116
6	325	316	293	260	317	516	695	418	332	240	145	118
7	298	296	286	249	304	499	671	415	334	230	163	110
8	274	280	275	275	301	3190	836	428	318	224	143	105
9	262	273	268	270	326	1170	799	398	305	218	138	101
10	256	597	263	261	384	758	704	389	298	214	141	100
11	244	494	260	526	364	593	657	385	291	225	137	103
12	238	439	257	608	345	761	992	377	284	207	157	99
13	235	383	264	384	332	1430	1350	370	282	198	137	97
14	220	348	271	386	325	871	1630	366	280	191	130	94
15	214	324	249	342	327	678	1080	365	272	190	132	91
16	208	309	243	315	599	589	906	358	264	186	127	85
17	205	296	237	394	461	4130	810	550	295	179	126	113
18	205	284	232	884	388	2580	745	713	364	188	122	154
19	202	275	231	635	363	1290	701	553	312	175	134	111
20	202	267	228	455	354	1420	661	729	284	170	127	237
21	196	260	225	390	343	3520	631	575	266	167	120	180
22	196	254	223	582	338	1540	605	487	257	164	114	135
23	232	252	223	870	330	1180	583	698	308	223	109	120
24	205	470	261	517	320	1400	561	774	960	207	114	112
25	190	663	302	438	314	1170	547	613	655	243	142	420
26	188	1210	248	393	306	986	576	506	523	196	118	224
27	183	619	235	370	304	882	594	447	374	216	110	140
28	183	473	228	349	303	2010	525	414	328	275	106	180
29	205	404	223	332	297	1500	511	468	306	192	107	447
30	460	370	249	330	---	1280	491	478	307	176	120	712
31	295	---	247	481	---	1100	---	412	---	166	117	---
TOTAL	7938	13110	8128	12565	10003	38915	23064	14927	10595	6581	4129	5063
MEAN	256	437	262	405	345	1255	769	482	353	212	133	169
MAX	460	1310	352	884	599	4130	1630	774	960	279	163	712
MIN	183	252	223	225	297	290	491	358	257	164	106	85
CFSM	1.67	2.86	1.71	2.65	2.26	8.20	5.03	3.15	2.31	1.39	.87	1.11
IN.	1.93	3.19	1.98	3.05	2.43	9.46	5.61	3.63	2.58	1.60	1.00	1.23

CAL YR 1979 TOTAL 184572 MEAN 506 MAX 6090 MIN 166 CFSM 3.31 IN 44.88
WTR YR 1980 TOTAL 155018 MEAN 424 MAX 4130 MIN 85 CFSM 2.77 IN 37.69

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.

LOCATION.--Lat 34°09'25", long 84°04'44", Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 ft (366 m) downstream from Buford Dam, 2.4 mi (3.9 km) upstream from bridge on State Highway 20, 4 mi (6.4 km) northwest of Buford, and at mile 348.1 (560.0 km).

DRAINAGE AREA.--1,040 mi2 (2,690 km2), approximately.

PERIOD OF RECORD.--June to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WDR GA-79-1: 1972-78 (maximum gage heights only). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 912.04 ft (277.990 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). June 24 to Dec. 21, 1901, Jan. 27, 1942, to Dec. 3, 1944, nonrecording gage, and Dec. 4, 1944, to Dec. 31, 1947, water-stage recorder at site 2.5 mi (4.0 km) downstream, and Jan. 1, 1948, to Sept. 30, 1971, water-stage recorder at site 2.4 mi (3.9 km) downstream, all at different datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier beginning January 1956 (See "Lakes and Reservoirs in Apalachicola River basin", station 02334400.)

AVERAGE DISCHARGE.--39 years, 2,189 ft3/s (62.0 m3/s), 28.58 in/yr (726 mm/yr), adjusted for storage since 1956.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft3/s (1,560 m3/s) Jan. 8, 1946, gage height, 32.6 ft (9.94 m), from floodmark, from rating curve extended above 13,000 ft3/s (368 m3/s) on basis of peak flows passing upstream and downstream stations; minimum daily, 262 ft3/s (7.42 m3/s) May 18, 1958.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1921, that of Jan. 8, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,800 ft3/s (306 m3/s) May 23, gage height, 6.92 ft (2.109 m); minimum daily, 569 ft3/s (16.1 m3/s) Feb. 23, Mar. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3180	1590	1200	627	6790	569	7640	7590	580	4820	4150	2690
2	3200	1630	620	2270	593	3430	7640	7600	2940	4830	599	2650
3	3180	1260	3000	1860	585	6180	7430	594	2660	4760	933	2690
4	3160	1260	3240	1860	1640	2850	7380	582	2690	590	2590	2680
5	3190	2960	3240	619	1630	2300	7440	2620	2670	591	3050	3920
6	616	2960	3230	620	1650	4090	7310	1710	2670	1670	2660	608
7	623	2950	2900	2010	1760	4090	7400	2080	579	2740	3920	947
8	2800	2940	1190	2020	1720	705	7600	2030	907	3190	3660	3390
9	2810	2950	617	2010	910	600	7440	5200	2600	3050	585	2110
10	2820	1400	1530	2000	893	5180	7490	586	2610	3850	915	2110
11	3420	617	1530	2030	2610	5200	7500	587	2610	5240	3390	2110
12	5020	1500	1530	621	2600	1100	1850	6220	2610	1820	3390	2110
13	2280	2740	1500	616	2600	4380	579	6230	2620	3600	3160	1290
14	2370	2840	1540	3240	2620	6420	6420	6230	579	2380	3410	962
15	5020	2750	1160	3220	2620	2450	7800	6200	919	2210	3400	3070
16	3390	2750	617	3160	577	596	7480	6210	2980	2400	580	3060
17	3460	1400	1400	3330	577	3270	7480	585	2620	2140	908	3410
18	2780	616	1630	3320	2970	6600	7470	584	2630	2280	3420	3070
19	2580	1400	1390	623	3030	8380	6910	5130	587	603	3440	3070
20	618	1390	1390	619	3040	3570	5340	5210	2610	944	3430	2280
21	1310	1380	1400	5150	3010	1250	7880	5060	593	2010	3440	610
22	1590	1390	1230	2960	3070	5810	7450	4700	913	1640	3430	2650
23	939	1380	620	5170	569	7760	7490	5200	1630	2000	592	2680
24	943	1390	1610	5160	572	7560	7540	594	3090	2010	926	2620
25	1270	632	629	5140	2320	7520	6840	830	5350	2000	3450	2630
26	1260	3110	1610	613	2290	7530	3980	4590	6340	699	923	2740
27	622	3090	1620	614	2290	7560	4050	3760	6340	1020	3440	611
28	1270	3080	1600	6420	2310	1850	7550	4630	588	2030	3490	954
29	1610	3030	622	6430	2040	573	7510	4610	919	2010	3420	2730
30	1610	3050	628	6870	---	2340	7580	4620	4810	2430	605	2720
31	1610	---	1560	6840	---	7110	---	576	---	2760	910	---
TOTAL	70551	61435	47583	88042	59886	128823	201469	112948	72244	74317	76216	69172
MEAN	2276	2048	1535	2840	2065	4156	6716	3643	2408	2397	2459	2306
MAX	5020	3110	3240	6870	6790	8380	7880	7600	6340	5240	4150	3920
MIN	616	616	617	613	569	569	579	576	579	590	580	608
MEAN†	1421	2520	1431	2858	2053	7905	4351	3103	2415	1093	807	1236
CFSM†	1.37	2.42	1.38	2.75	1.97	7.60	4.18	2.98	2.32	1.05	.78	1.19
IN†	1.58	2.70	1.59	3.17	2.12	8.76	4.66	3.44	2.59	1.21	.90	1.33

CAL YR 1979 TOTAL 800765 MEAN 2194 MAX 8780 MIN 594 MEAN† 2749 CFSM† 2.64 IN† 35.88
WTR YR 1980 TOTAL 1062686 MEAN 2904 MAX 8380 MIN 569 MEAN† 2602 CFSM† 2.50 IN† 34.05

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi (2.4 km) upstream from John Creek, 4.5 mi (7.2 km) north of Norcross, 6.5 mi (10.5 km) downstream from Suwanee Creek, 18 mi (29 km) downstream from Buford Dam, and at mile 330.8 (532.3 km).

DRAINAGE AREA.--1,170 mi² (3,030 km²), approximately.

PERIOD OF RECORD.--October 1902 to September 1946, October 1956 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site 1910-33, and since 1945 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 878.14 ft (267.657 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft (152 m) downstream at same datum. July 14, 1955, to Mar. 11, 1957, nonrecording gage at present site and datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversion and return flow above station regulated by Gwinnett County.

AVERAGE DISCHARGE.--68 years, 2,336 ft^3/s (66.2 m^3/s), 27.11 in/yr (689 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft^3/s (1,560 m^3/s) Jan. 8, 1946, gage height, 27.7 ft (8.443 m), from rating curve extended above 36,000 ft^3/s (1,020 m^3/s) on basis of computation of peak flow over Morgan Falls Dam; minimum observed, 132 ft^3/s (3.74 m^3/s) Aug. 25, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, that of Jan. 8, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,500 ft^3/s (297 m^3/s) May 23, gage height, 11.59 ft (3.533 m); minimum daily, 761 ft^3/s (21.6 m^3/s) Oct. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2610	1800	2030	1240	7000	1550	7630	7520	860	4860	3990	1900
2	3370	2870	1290	1640	3210	2200	8000	7540	2500	4860	1730	2760
3	3330	2460	2020	2050	902	5790	7680	3280	2880	4860	818	2650
4	3470	1550	2970	2010	1260	6590	7570	886	2880	1940	1960	2710
5	3580	2630	2850	1590	1610	2330	7580	1680	2870	792	3070	3900
6	1690	3270	2950	785	1620	4170	7390	2100	2850	1430	2770	1540
7	784	3240	2970	1430	1680	4590	7460	1970	1470	2670	3410	786
8	2110	3240	1910	2220	1710	5220	7590	2240	918	2790	4040	2240
9	3010	3210	1250	2360	1500	2300	7560	4950	2080	3310	1680	2860
10	3030	2250	783	2330	1270	3860	7510	2470	2770	3670	780	2150
11	3490	1640	1660	2340	2030	5770	7510	836	2760	4320	2180	2140
12	5100	1010	1670	1810	2820	3730	4640	4600	2770	3160	3430	2140
13	2430	2310	1690	920	2810	4330	1260	6380	2770	3140	3760	1560
14	2460	3110	1690	2340	3080	6490	4520	6380	1620	2790	2870	1170
15	4780	3010	1710	3780	2890	3480	8110	6380	926	2460	3430	2210
16	3900	3020	1220	3550	1700	2850	7570	6380	2290	2450	2170	3070
17	3480	2290	780	4300	929	3800	7520	2380	2780	2360	782	3360
18	3330	1540	1720	5720	2070	4800	7520	996	2980	2270	2140	3220
19	2680	857	1550	3080	3370	8560	7360	3370	1720	1580	3460	3100
20	1100	1550	1530	1110	3370	6270	4950	6730	1930	796	3460	2660
21	795	1540	1530	3960	3390	4970	7870	5910	1630	1690	3440	1410
22	1550	1530	1520	4730	3380	4130	7530	5410	926	1920	3470	1790
23	1480	1520	1320	5170	1970	7990	7530	6260	1420	1910	2170	2790
24	1020	1640	784	5830	860	7970	7550	4850	3730	2090	787	2590
25	1010	1630	1770	5640	1860	7980	7530	1430	5280	2240	2210	2470
26	1310	2230	795	2490	2550	7770	4000	3310	7380	1300	2240	2920
27	1290	3480	1770	932	2530	7700	4550	4810	6440	932	2140	1200
28	761	3830	1770	4740	2560	6600	7010	4790	2870	1930	3450	840
29	1380	3480	1750	6900	2560	2850	7510	4800	896	1930	3440	2080
30	1880	3230	781	6900	---	1570	7550	4800	3790	2160	2180	3230
31	1810	---	1210	7100	---	6730	---	2540	---	2830	775	---
TOTAL	74020	70967	51243	100997	68491	154940	205560	127978	78986	77440	78232	69446
MEAN	2388	2366	1653	3258	2362	4998	6852	4128	2633	2498	2524	2315
MAX	5100	3830	2970	7100	7000	8560	8110	7540	7380	4860	4040	3900
MIN	761	857	780	785	860	1550	1260	836	860	792	775	786

CAL YR 1979 TOTAL 902595 MEAN 2473 MAX 9160 MIN 759 MEAN† 3028 CFSM† 2.59 IN† 35.13
WTR YR 1980 TOTAL 1158300 MEAN 3165 MAX 8560 MIN 761 MEAN† 2863 CFSM† 2.45 IN† 33.31

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.

LOCATION.--Lat 33°59'09", long 84°18'58", Fulton County, Hydrologic Unit 03130001, on right bank 3.3 mi (5.3 km) upstream from Big Creek and bridge on U.S. Highway 19, and 3.6 mi (5.8 km) southeast of Roswell.

DRAINAGE AREA.--1,220 mi^2 (3,160 km^2), approximately.

PERIOD OF RECORD.--October 1941 to May 1960 (published as "near Roswell"), July 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 858.01 ft (261.521 m) National Geodetic Vertical Datum of 1929. Prior to July 7, 1976, at site 1.8 mi (2.9 km) downstream at datum 8.51 ft (2.594 m) lower.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett and DeKalb Counties; return flows above station by Gwinnett County.

AVERAGE DISCHARGE.--22 years, 2,168 ft^3/s (61.4 m^3/s), 24.13 in/yr (613 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,000 ft^3/s (1.586 m^3/s) Jan. 8, 1946 (gage height, 23.4 ft site and datum then in use, from floodmark), from rating curve extended above 30,000 ft^3/s (850 m^3/s) on basis of computation of peak flow over Morgan Falls Dam 6 miles downstream; minimum daily, 315 ft^3/s (8.92 m^3/s) Aug. 11, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,600 ft^3/s (300 m^3/s) May 24, gage height, 8.63 ft (2.972 m); minimum daily, 581 ft^3/s (16.5 m^3/s) Aug. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1810	1760	2220	1380	6800	1710	7560	7440	838	4710	3670	1170
2	3320	2970	1350	1420	4210	1730	7730	7450	1620	4770	2540	2670
3	3290	2690	1640	2200	838	4950	7540	4390	2830	4670	664	2590
4	3550	1610	2960	2050	1100	5760	7500	847	2780	2860	1230	2620
5	3610	1860	2940	1730	1560	2560	7450	1230	2790	724	2830	3620
6	2740	3210	2940	802	1580	3710	7370	2340	2780	890	2680	2530
7	767	3180	2950	1250	1630	4580	6230	1810	2140	2330	3090	624
8	1700	3170	2050	2290	1680	6670	7470	2210	774	2500	3890	1370
9	3050	3150	1280	2440	1640	2750	7500	3820	1430	3220	2460	3030
10	3020	2920	715	2390	1380	3120	7400	3470	2690	3410	581	2090
11	3090	1830	1620	2480	1720	5670	7390	753	2680	3990	1320	2080
12	4700	899	1630	2100	2720	4770	6070	3360	2680	3770	3280	2070
13	2980	1750	1650	973	2800	4160	1660	6000	2680	2400	3640	1840
14	2430	3050	1740	1520	3000	6120	3780	6080	2290	2900	2710	1230
15	4200	3010	1680	4100	2900	4560	8070	6090	725	2380	3320	1380
16	4120	2960	1260	3620	2000	2820	7540	6070	1640	2250	2930	3000
17	3440	2850	724	4550	850	3600	7470	3620	2720	2300	640	3220
18	3410	1530	1640	6450	1700	4110	7460	1040	2880	2110	1260	3280
19	2630	740	1610	3910	3260	8430	7350	2600	2490	2090	3290	3050
20	1610	1480	1510	1210	3390	7230	5320	7180	1150	637	3350	3030
21	704	1500	1510	2760	3290	6100	7660	5860	2280	1060	3310	2020
22	1350	1490	1500	5360	3320	3430	7480	5550	755	1910	3340	1130
23	1650	1500	1340	4550	2190	7240	7450	6460	1290	1660	3050	2680
24	1010	1690	751	5670	822	8160	7440	5910	3540	1950	614	2640
25	993	1870	1780	5590	1610	7840	7420	1610	4940	2270	1340	2630
26	1310	1720	764	3660	2480	7670	4230	2430	7240	1610	2940	2760
27	1290	3500	1750	906	2450	7820	4390	4760	6150	768	1270	2120
28	697	4310	1760	3300	2510	6310	6720	4700	3700	1490	3320	879
29	1360	3390	1750	6660	2470	2450	7430	4700	825	1720	3340	1420
30	1880	3330	773	6660	---	2950	7440	4650	2910	1960	2990	3630
31	1780	---	1110	6950	---	7530	---	3420	---	2560	648	---
TOTAL	73491	70919	50897	100931	67900	156510	203520	127850	76237	73869	75537	68403
MEAN	2371	2364	1642	3256	2341	5049	6784	4124	2541	2383	2437	2280
MAX	4700	4310	2960	6950	6800	8430	8070	7450	7240	4770	3890	3630
MIN	697	740	715	802	822	1710	1660	753	725	637	581	624

CAL YR 1979 TOTAL 883285 MEAN 2420 MAX 10300 MIN 641 MEAN† 2975 CFSM† 2.44 IN† 33.10
WTR YR 1980 TOTAL 1146064 MEAN 3131 MAX 8430 MIN 581 MEAN† 2829 CFSM† 2.32 IN† 31.56

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02335700 BIG CREEK NEAR ALPHARETTA, GA.

LOCATION.--Lat 34°03'02", long 84°16'10", Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of county highway bridge, 2.6 mi (4.2 km) southeast of Alpharetta, and 9.4 mi (15.1 km) upstream from mouth.

DRAINAGE AREA.--72 mi^2 (186 km^2), approximately.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 960.80 ft (292.852 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.--Records good.

AVERAGE DISCHARGE.--20 years, 119 ft^3/s (3.37 m^3/s), 22.44 in/yr (570 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,800 ft^3/s (164 m^3/s) Feb. 21, 1961, gage height, 12.54 ft (3.82 m); minimum daily, 10 ft^3/s (0.28 m^3/s) Oct. 6, 7, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft^3/s (22.7 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 19	1300	1040	29.5	8.53	2.600
Mar. 9	0600	*2640	74.8	10.62	3.237
Mar. 14	0500	836	23.7	7.93	2.417
Mar. 22	0200	1660	47.0	9.63	2.935
Mar. 29	1500	1240	35.1	9.02	2.749
Apr. 15	0100	930	26.3	8.16	2.487

Minimum daily discharge, 18 ft^3/s (0.51 m^3/s) Sept. 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	70	74	67	140	84	255	121	92	77	37	23
2	63	235	70	68	108	90	215	116	88	71	35	32
3	58	241	65	58	101	82	200	113	86	67	33	32
4	96	107	65	68	96	87	194	111	83	64	38	26
5	138	80	65	79	90	259	173	107	80	60	38	25
6	82	71	65	63	96	347	162	104	77	56	35	24
7	70	67	64	61	94	207	157	100	78	54	32	23
8	63	62	59	87	92	1110	166	107	74	52	31	21
9	60	59	56	106	184	2010	176	105	70	50	30	20
10	60	94	56	91	300	669	151	97	68	49	29	20
11	60	117	56	142	191	233	143	93	65	47	29	22
12	58	108	56	313	136	360	232	91	64	45	29	22
13	56	85	57	242	114	706	391	90	63	43	28	20
14	52	75	60	128	106	724	848	92	61	41	26	19
15	51	68	58	100	102	262	681	94	59	41	25	18
16	52	65	56	89	170	182	239	89	56	41	35	18
17	53	61	55	320	136	295	190	133	63	38	29	26
18	52	59	54	734	108	539	176	259	147	36	27	60
19	52	58	53	993	102	431	168	274	142	35	27	33
20	54	57	52	490	107	276	159	598	82	34	26	42
21	53	56	52	168	103	1280	154	666	69	34	28	41
22	53	55	51	192	102	1240	147	290	64	33	25	34
23	66	56	51	384	100	407	141	522	98	38	32	32
24	64	118	57	290	90	324	135	494	526	36	29	30
25	56	163	75	155	88	360	130	208	566	46	29	30
26	54	314	58	127	81	244	136	153	238	40	27	33
27	54	173	54	116	80	205	137	128	124	54	25	28
28	53	109	52	106	81	578	128	114	98	70	24	45
29	61	91	51	99	80	1120	134	107	92	45	23	156
30	112	79	61	94	---	781	127	102	94	41	23	269
31	84	---	66	193	---	395	---	96	---	39	24	---
TOTAL	2009	3053	1824	6223	3378	15887	6445	5774	3567	1477	908	1224
MEAN	64.8	102	58.8	201	116	512	215	186	119	47.6	29.3	40.8
MAX	138	314	75	993	300	2010	848	666	566	77	38	269
MIN	51	55	51	58	80	82	127	89	56	33	23	18
CFSM	.90	1.42	.82	2.79	1.61	7.11	2.99	2.58	1.65	.66	.41	.57
IN.	1.04	1.58	.94	3.22	1.75	8.21	3.33	2.98	1.84	.76	.47	.63

CAL YR 1979 TOTAL 46091 MEAN 126 MAX 3120 MIN 31 CFSM 1.75 IN 23.81
WTR YR 1980 TOTAL 51769 MEAN 141 MAX 2010 MIN 18 CFSM 1.96 IN 26.75

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°51'33", long 84°27'16", Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20 ft (6 m) upstream from Paces Ferry Bridge, at Atlanta, 1 mi (1.6 km) downstream from Rottenwood Creek, 2.5 mi (4.0 km) upstream from Peachtree Creek, and at mile 303.0 (487.5 km).

DRAINAGE AREA.--1,450 mi^2 (3,760 km^2), approximately.

PERIOD OF RECORD.--August 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft (228.630 m) National Geodetic Vertical Datum of 1929. Aug. 3, 1928, to Dec. 31, 1931, water-stage recorder, and Nov. 15, 1936, to Mar. 8, 1937, nonrecording gage at same site and datum. Since June 1967, auxiliary water-stage recorder at bridge on U.S. Highway 41, 0.8 mi (1.3 km) upstream.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9.5 mi (15.3 km) above station. Records of chemical analyses for the water years 1974-79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--47 years, 2,634 ft^3/s (74.6 m^3/s), 24.67 in/yr (627 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft^3/s (1,670 m^3/s) Jan. 9, 1946, gage height, 28.0 ft (8.53 m); minimum daily, 296 ft^3/s (8.38 m^3/s) Sept. 2, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, 29.0 ft (8.84 m) in December 1919, from floodmarks at site 2.6 mi (4.2 km) downstream and stage relation between the two sites.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 15,000 ft^3/s (425 m^3/s) Mar. 28, maximum gage height, 15.03 ft (4.581 m), backwater from Peachtree Creek; minimum daily discharge, 1,120 ft^3/s (31.7 m^3/s) Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	2000	2380	1630	7310	2040	8230	7540	1380	5040	2990	1500
2	3720	3950	1700	1300	6120	1330	8270	7620	1730	4910	3280	2300
3	3350	3070	1840	2810	1410	2370	7990	6150	3360	4880	1270	2830
4	4100	1900	3330	2450	1600	4170	7960	1420	2970	3810	1510	2810
5	4250	2160	3100	2010	1820	2550	7790	1670	3030	1330	2650	2640
6	2810	3300	3110	1250	1900	2390	7630	2640	3020	1500	3050	3020
7	1250	3310	3160	1560	2060	4000	7660	2200	2410	2270	2750	1120
8	1900	3250	2290	2530	2150	11000	7940	2400	1220	2870	3760	1360
9	3200	3210	1530	2710	2700	5530	7900	2920	1800	3250	3010	2960
10	3070	3250	1170	2770	2480	4360	7710	4210	3150	3260	1220	2230
11	3000	2130	1640	3290	2570	5770	7600	1260	2990	4030	1490	2100
12	3650	1600	1940	3300	3450	7790	8170	2170	2900	4700	3320	2050
13	4550	2140	1860	1720	2990	6360	4170	5720	2910	2330	3380	1570
14	2440	3410	1970	1990	3240	6580	5610	6240	2370	3800	3000	1360
15	3200	3110	1790	3730	3210	6680	8600	6180	1270	2630	3370	1510
16	4480	3140	1560	3840	2910	3440	8200	6200	1760	2430	2890	3000
17	3580	2780	1190	5940	1490	3800	7770	5440	3160	2630	1270	3050
18	3580	1680	1590	9430	2310	5360	7730	1850	2850	2260	1550	3630
19	2680	1250	2030	6500	3490	8680	7640	2490	3700	1910	3170	3090
20	1700	1640	1930	2460	3720	8700	6870	9600	1530	1250	3420	3350
21	1250	1880	1700	2530	3690	10500	6390	7800	2100	1630	3260	1930
22	1750	1680	1610	6340	3660	5130	7670	6620	1200	1920	3340	1610
23	1430	1760	1380	5400	2470	8040	7640	7850	3200	1970	2840	2440
24	1300	2370	1360	6320	1250	9230	7470	8230	5500	2170	1200	2760
25	1340	2590	1810	6260	1970	8990	7580	2770	5500	2320	1460	2670
26	1560	3050	1440	4930	2840	8220	6330	2630	7500	1660	2620	2640
27	1430	4170	1920	1620	2800	8060	4200	4960	6470	1350	1590	2230
28	1200	3810	1960	2380	2780	13000	5260	4940	5430	1920	3400	1750
29	1800	3800	1770	6600	2810	8500	7560	4850	1340	2310	3280	2550
30	2380	3770	1240	6940	---	4120	7600	4930	2370	2060	2510	4800
31	1950	---	1250	7630	---	4930	---	3940	---	2580	1150	---
TOTAL	79900	81160	58550	120170	83200	191620	219140	145440	90120	82980	79000	72860
MEAN	2577	2705	1889	3876	2869	6181	7305	4692	3004	2677	2548	2429
MAX	4550	4170	3330	9430	7310	13000	8600	9600	7500	5040	3760	4800
MIN	1200	1250	1170	1250	1250	1330	4170	1260	1200	1250	1150	1120

CAL YR 1979 TOTAL 1033730 MEAN 2832 MAX 17900 MIN 1080 MEAN† 3387 CFSM† 2.34 IN† 31.71
WTR YR 1980 TOTAL 1304140 MEAN 3563 MAX 13000 MIN 1120 MEAN† 3261 CFSM† 2.25 IN† 30.61

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02336300 PEACHTREE CREEK AT ATLANTA, GA.

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, Hydrologic Unit 03130001, on downstream side of bridge on Northside Drive at Atlanta, 0.4 mi (0.6 km) downstream from Tanyard Branch, and 4 mi (6.4 km) upstream from mouth.
DRAINAGE AREA.--86.8 mi2 (225 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1958 to current year.
GAGE.--Water-stage recorder. Datum of gage is 763.96 ft (232.855 m) National Geodetic Vertical Datum of 1929, city of Atlanta bench mark. Prior to May 27, 1963, water-stage recorder at site 1,000 ft (305 m) downstream at same datum.
REMARKS.--Records fair except those for periods of doubtful or no gage-height record, Oct. 1 to Nov. 6, Nov. 14-25, and Dec. 5-11, which are poor.
AVERAGE DISCHARGE.--22 years, 138 ft3/s (3.91 m3/s), 21.59 in/yr (548 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,660 ft3/s (245 m3/s) Mar. 16, 1976, gage height, 20.30 ft (6.187 m); minimum daily, 8 ft3/s (0.227 m3/s) Aug. 10, 1959.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft3/s (70.8 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 5	unknown	3390	96.0	12.48	3.804
Jan. 18	0915	3580	101	12.46	3.798
Mar. 8	1015	5510	156	15.74	4.798
Mar. 12	1500	5030	142	15.04	4.584
Mar. 21	0245	2970	84.1	11.34	3.456
Mar. 28	1500	5840	165	16.20	4.938
Apr. 13	1915	3100	87.8	11.60	3.536
May 20	1015	4950	140	14.98	4.566
May 23	2315	*6360	180	16.95	5.166

Minimum daily discharge, 16 ft3/s (0.453 m3/s) Sept. 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	400	61	48	83	96	183	64	60	39	22	20
2	94	1300	58	43	72	96	160	62	60	37	21	20
3	84	300	58	39	70	71	150	61	58	36	23	92
4	1270	100	57	121	67	68	152	61	57	36	40	60
5	252	60	56	61	65	745	131	60	57	34	28	122
6	125	49	60	42	96	166	127	60	56	44	21	97
7	101	46	56	40	79	322	125	58	57	35	20	25
8	90	43	52	98	66	3510	168	58	55	32	19	20
9	82	41	50	190	592	297	151	56	54	33	19	19
10	98	502	47	57	334	148	108	54	54	31	25	32
11	79	316	45	285	127	139	104	53	53	30	124	69
12	70	110	44	126	100	1940	304	53	53	33	40	21
13	65	81	46	60	83	750	800	53	53	32	23	18
14	61	48	49	63	81	194	531	94	54	29	22	17
15	57	46	43	50	80	134	153	67	53	28	194	16
16	53	45	43	48	639	111	119	54	52	28	51	16
17	50	44	43	1250	131	363	102	349	68	27	32	50
18	48	44	42	1890	97	325	98	169	73	26	25	30
19	46	44	42	288	88	119	91	300	127	32	24	19
20	44	43	42	166	106	188	84	2190	63	30	32	140
21	42	43	42	130	88	1230	80	286	54	27	58	46
22	40	42	42	432	367	186	77	662	58	26	24	24
23	137	50	42	394	161	130	75	2370	475	26	79	22
24	98	200	99	129	144	431	72	1490	589	31	22	20
25	62	725	68	99	86	160	74	226	226	32	20	19
26	55	483	40	89	74	106	72	159	57	78	20	18
27	50	119	39	107	73	100	204	128	46	82	18	17
28	45	87	38	79	72	3030	73	114	44	29	18	747
29	200	72	38	70	70	642	75	110	59	25	29	403
30	120	63	94	74	---	459	65	93	54	24	31	789
31	80	---	46	286	---	219	---	78	---	23	21	---
TOTAL	3818	5546	1582	6854	4191	16475	4708	9692	2881	1055	1145	3008
MEAN	123	185	51.0	221	145	531	157	313	96.0	34.0	36.9	100
MAX	1270	1300	99	1890	639	3510	800	2370	589	82	194	789
MIN	40	41	38	39	65	68	65	53	44	23	18	16
CFSM	1.42	2.13	.59	2.55	1.67	6.12	1.81	3.61	1.11	.39	.43	1.15
IN.	1.64	2.38	.68	2.94	1.80	7.06	2.02	4.15	1.23	.45	.49	1.29

CAL YR 1979 TOTAL 59582 MEAN 163 MAX 5990 MIN 13 CFSM 1.88 IN 25.53
WTR YR 1980 TOTAL 60955 MEAN 167 MAX 3510 MIN 16 CFSM 1.92 IN 26.12

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.97	---	3.56	3.44	3.60	3.63	4.24	3.58	4.21	3.49	3.29	3.26
2	3.83	---	3.54	3.39	3.52	3.65	4.14	3.56	4.19	3.47	3.28	3.27
3	3.77	---	3.53	3.34	3.51	3.49	4.09	3.56	4.19	3.46	3.30	3.63
4	---	---	3.52	3.87	3.49	3.47	4.10	3.56	4.17	3.46	3.46	3.60
5	---	---	3.52	3.54	3.46	6.15	4.01	3.55	4.16	3.44	3.37	3.79
6	---	3.56	---	3.37	3.66	4.12	3.98	3.55	4.14	3.53	3.28	3.87
7	---	3.55	---	3.35	3.56	4.56	3.97	3.53	4.14	3.45	3.25	3.35
8	---	3.52	---	3.81	3.47	12.16	4.17	3.53	4.10	3.41	3.24	3.28
9	---	3.51	---	4.26	5.56	4.93	4.09	3.52	4.08	3.42	3.24	3.25
10	---	5.45	---	3.52	4.70	4.37	3.88	3.50	4.07	3.40	3.33	3.34
11	---	4.86	3.41	4.49	3.85	4.19	3.85	3.49	4.05	3.39	3.95	3.70
12	---	3.90	3.40	3.94	3.70	8.58	4.72	3.49	4.04	3.42	3.49	3.29
13	---	3.72	3.42	3.55	3.59	6.12	5.86	3.49	4.02	3.41	3.31	3.24
14	---	3.53	3.45	3.58	3.58	4.29	5.43	3.75	4.02	3.37	3.29	3.22
15	---	---	3.39	3.46	3.57	4.02	4.11	3.60	4.00	3.36	4.03	3.20
16	---	---	3.39	3.44	5.69	3.89	3.94	3.50	3.98	3.36	3.59	3.20
17	---	---	3.39	7.38	3.85	4.84	3.84	4.70	4.06	3.35	3.43	3.50
18	---	---	3.38	8.85	3.67	4.80	3.81	4.15	4.11	3.34	3.34	3.41
19	---	---	3.38	4.59	3.61	3.94	3.77	4.64	4.23	3.40	3.32	3.24
20	---	---	3.38	4.05	3.73	4.24	3.73	9.38	3.73	3.39	3.38	4.03
21	---	---	3.38	3.89	3.61	7.31	3.70	4.69	3.66	3.35	3.65	3.57
22	---	---	3.38	4.90	4.76	4.25	3.68	5.65	3.69	3.34	3.33	3.33
23	---	---	3.38	4.91	3.99	3.99	3.66	9.43	4.99	3.33	3.74	3.30
24	---	---	3.74	3.87	3.90	5.17	3.64	7.65	5.81	3.40	3.29	3.26
25	---	6.40	3.58	3.71	3.60	4.13	3.66	4.62	4.52	3.41	3.27	3.26
26	---	5.29	3.36	3.64	3.52	3.86	3.64	4.37	3.68	3.64	3.27	3.23
27	---	3.93	3.34	3.75	3.51	3.82	4.30	4.29	3.60	3.77	3.23	3.21
28	---	3.75	3.33	3.57	3.50	11.00	3.65	4.27	3.56	3.38	3.22	5.91
29	---	3.65	3.34	3.50	3.48	5.82	3.66	4.31	3.66	3.34	3.36	5.29
30	---	3.58	3.76	3.53	---	5.35	3.60	4.27	3.64	3.32	3.38	6.41
31	---	---	3.42	4.54	---	4.41	---	4.24	---	3.30	3.29	---
MEAN	---	---	---	4.10	3.84	5.11	4.03	4.43	4.08	3.42	3.39	3.65
MAX	---	---	---	8.85	5.69	12.16	5.86	9.43	5.81	3.77	4.03	6.41
MIN	---	---	---	3.34	3.46	3.47	3.60	3.49	3.56	3.30	3.22	3.20

02336300 PEACHTREE CREEK AT ATLANTA, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 1969 to May 1972, July 1975 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
17...	1400	50	7.2	23.0	19.5	8.2
NOV						
13...	1445	66	7.4	12.5	13.5	9.5
DEC						
20...	1115	42	7.2	10.0	6.0	11.0
JAN						
23...	1345	231	6.9	6.5	9.5	9.2
APR						
17...	1330	100	7.3	20.0	14.0	8.6
MAY						
08...	0845	58	7.1	18.0	17.0	8.2
JUN						
03...	1130	60	6.9	28.5	25.0	8.0
JUL						
09...	1350	33	6.9	37.0	30.0	7.6
AUG						
07...	1330	19	7.4	33.0	31.0	7.8
SEP						
03...	0830	27	7.1	22.0	22.0	5.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
17...	162	10	2.1	2300	53	.64	.320	.140	1.0
NOV									
13...	122	10	.9	9300	39	.45	.040	.050	1.0
DEC									
20...	147	13	1.1	9300	43	.61	.150	.040	<1.0
JAN									
23...	106	60	3.0	23000	24	.50	.020	.070	5.0
APR									
17...	135	15	.8	9300	37	.53	.110	<.020	1.0
MAY									
08...	180	4	5.5	4300	41	.67	.090	.040	<1.0
JUN									
03...	134	11	1.2	23000	43	.60	.070	.080	3.0
JUL									
09...	130	10	1.4	29000	47	.40	.080	.070	2.0
AUG									
07...	96	15	1.6	9300	50	.32	.100	.080	5.0
SEP									
03...	160	13	2.3	93000	49	.39	.350	.110	4.0

02336502 CHATTAHOOCHEE RIVER AT I-285, AT ATLANTA, GA.

LOCATION.--Lat 33°48'32", long 84°29'43", Cobb-Fulton County line, Hydrologic Unit 03130002, at bridge on Interstate Highway 285, 0.3 mi (0.5 km) upstream from Proctor Creek, 0.5 mi (0.8 km) downstream from Southern Railway bridge, and at Atlanta city limits.

DRAINAGE AREA.--1,600 mi² (4,140 km²).

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
18...	0900	3600	7.0	17.0	14.5	9.8
NOV						
13...	1515	2850	7.1	12.0	14.0	10.5
DEC						
07...	1000	1400	6.7	4.0	11.5	10.8
JAN						
22...	1610	5400	7.0	12.0	11.0	9.9
APR						
16...	1615	7200	7.1	22.0	12.5	10.0
MAY						
06...	1300	2100	6.5	27.0	19.5	8.3
JUN						
03...	1215	3650	6.7	29.0	20.0	8.8
JUL						
09...	1430	3600	6.5	37.0	20.5	8.7
AUG						
07...	1245	3680	7.0	33.0	22.0	7.5
SEP						
02...	0945	2500	7.0	25.0	18.0	9.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
18...	54	14	1.2	230	16	22	56	.31	.350	.020	1.0
NOV											
13...	72	19	1.6	1400	19	15	60	.30	.580	.300	<1.0
DEC											
07...	75	11	1.4	<30	18	14	44	.27	.740	.280	<1.0
JAN											
22...	53	14	1.8	2100	15	34	76	1.9	4.700	.100	1.0
APR											
16...	46	20	1.4	430	13	30	72	.22	.260	.040	<1.0
MAY											
06...	74	18	2.6	90	19	29	82	.35	.800	.180	<1.0
JUN											
03...	58	29	5.0	230000	16	46	80	.33	.650	.330	4.5
JUL											
09...	52	19	3.6	7500	14	34	64	.34	.380	.210	2.0
AUG											
07...	25	22	2.2	230000	13	26	64	.31	.300	.130	3.0
SEP											
02...	55	10	2.2	930	14	14	52	.31	.650	.160	4.2

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.

LOCATION.--Lat 33°46'22", long 84°36'53", Douglas County, Hydrologic Unit 03130002, on right bank 100 ft (30 m) upstream from bridge on Interstate Highway 20, 400 ft (122 m) upstream from Blair Bridge, 3 mi (4.8 km) southeast of Austell, and 5.5 mi (8.8 km) upstream from mouth.
DRAINAGE AREA.--246 mi2 (637 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.
REVISED RECORDS.--WSP 1724: 1949(M). WDR GA-79-1: 1975(M).
GAGE.--Water-stage recorder. Datum of gage is 857.01 ft (261.217 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi (4.0 km) upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.
REMARKS.--Records good.
AVERAGE DISCHARGE.--44 years (1904-5, 1937-80), 336 ft3/s (9.52 m3/s), 18.55 in/yr (471 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft3/s (295 m3/s) Nov. 29, 1948, gage height, 18.4 ft (5.608 m), maximum gage height, 18.73 ft (5.709 m) Mar. 14, 1975; minimum daily, 2.1 ft3/s (0.059 m3/s) Oct. 9, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1916 reached a stage of about 20.0 ft (6.10 m), from information by local resident; discharge, 12,600 ft3/s (357 m3/s), from rating extended above 6,500 ft3/s (184 m3/s) on basis of contracted-opening measurement at gage height, 18.2 ft (5.55 m).
EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,800 ft3/s (51.0 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Nov. 3	0400	1830	51.8	6.07	1.850
Jan. 19	1000	2660	75.3	8.26	2.518
Mar. 9	0500	*3210	90.9	9.93	3.027
Mar. 13	1700	2950	83.5	9.07	2.765
Mar. 22	0200	2800	79.2	8.70	2.652
Mar. 29	1100	2860	81.0	8.85	2.697
Apr. 14	2100	3080	87.2	9.29	2.832

Minimum discharge, 16 ft3/s (0.45 m3/s) Sept. 17, gage height, 0.34 ft (0.104 m).

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	306	172	256	191	392	212	1060	350	272	141	56	85
2	233	1040	238	187	318	259	756	327	248	130	50	66
3	183	1730	223	175	274	246	656	312	232	121	44	55
4	360	1030	213	172	257	231	624	300	215	114	53	56
5	561	392	209	203	236	554	572	292	193	108	52	54
6	368	289	207	206	235	889	519	279	209	105	49	56
7	278	255	211	193	239	624	485	264	180	120	48	46
8	189	231	202	196	223	2600	482	262	170	100	44	39
9	181	214	190	237	436	3050	578	260	156	95	39	35
10	161	312	185	291	864	2310	512	248	145	91	36	31
11	152	465	184	329	731	1050	449	231	139	84	48	29
12	141	578	196	631	503	1210	720	217	133	78	71	26
13	133	487	198	520	366	2810	1210	213	129	73	53	24
14	124	375	208	398	312	2780	2810	243	127	66	46	23
15	118	304	205	321	284	2020	2910	310	123	66	51	21
16	115	266	194	279	558	798	2020	286	117	62	52	18
17	113	247	184	675	553	724	795	369	114	58	58	23
18	112	227	174	1970	443	1690	605	785	149	57	57	115
19	112	213	170	2600	364	1390	556	581	171	54	55	68
20	112	204	168	2210	340	960	516	1290	163	54	69	67
21	114	195	167	1030	327	2200	479	1300	144	60	61	75
22	114	189	165	536	345	2610	443	784	135	57	53	97
23	135	187	165	1340	368	1910	414	794	186	55	46	73
24	148	392	170	1080	354	996	391	804	582	57	44	61
25	134	536	204	709	317	870	370	608	584	57	38	54
26	127	799	195	438	270	675	375	453	410	55	37	52
27	120	570	191	387	232	541	397	369	280	76	31	51
28	114	427	181	348	221	1570	382	321	205	75	28	210
29	136	343	167	311	220	2770	373	371	169	83	27	382
30	196	286	164	283	---	2570	369	345	152	71	59	638
31	199	---	192	410	---	1870	---	295	---	62	83	---
TOTAL	5589	12955	5976	18856	10582	44989	22828	13863	6232	2485	1538	2630
MEAN	180	432	193	608	365	1451	761	447	208	80.2	49.6	87.7
MAX	561	1730	256	2600	864	3050	2910	1300	584	141	83	638
MIN	112	172	164	172	220	212	369	213	114	54	27	18
CFSM	.73	1.76	.79	2.47	1.48	5.90	3.09	1.82	.85	.33	.20	.36
IN.	.85	1.96	.90	2.85	1.60	6.80	3.45	2.10	.94	.38	.23	.40

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CAL YR 1979  TOTAL  153295   MEAN 420   MAX  6760   MIN 61   CFSM 1.71   IN 23.18
WTR YR 1980  TOTAL  148523   MEAN 406   MAX  3050   MIN 18   CFSM 1.65   IN 22.46
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02337000 SWEETWATER CREEK NEAR AUSTELL, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 17...	1220	114	6.9	22.0	14.5	8.9
NOV 14...	1410	365	7.1	11.0	11.0	9.4
DEC 06...	1520	209	6.9	13.0	6.5	11.0
JAN 23...	1430	1450	6.4	5.0	9.0	8.8
APR 16...	1600	1820	6.7	21.0	15.0	8.0
MAY 07...	0630	266	6.7	11.5	17.0	8.3
JUN 03...	1315	232	7.0	29.0	23.5	7.8
JUL 08...	1410	98	7.0	35.0	27.0	7.7
AUG 07...	1145	50	7.2	33.0	26.0	6.0
SEP 03...	1030	56	7.1	24.0	23.5	5.9

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 17...	73	13	.7	430	25	.25	.030	<.020	1.0
NOV 14...	65	21	1.0	330	21	.18	<.020	.020	<1.0
DEC 06...	70	13	1.0	90	21	.33	.070	.030	<1.0
JAN 23...	48	66	1.5	4300	12	.22	<.020	.050	14
APR 16...	44	48	1.1	2300	14	.20	.030	.030	4.8
MAY 07...	60	14	.8	330	19	.14	<.020	.020	2.5
JUN 03...	61	19	.7	230	23	.33	.040	.050	4.0
JUL 08...	73	11	.6	1500	27	.24	.040	.040	2.0
AUG 07...	47	18	.5	230	29	.27	.060	.020	2.0
SEP 03...	74	15	.6	430	26	.20	.060	.040	2.0

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
DEC					
12...	1030	195	8.0	6	3.2
JAN					
23...	1110	1430	--	252	973
APR					
23...	1430	413	--	20	22
JUN					
03...	1045	232	22.5	30	19
AUG					
27...	1015	32	22.5	5	.43

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.

LOCATION.—Lat 33°39'24", long 84°40'25", Fulton-Douglas County line, Hydrologic Unit 03130002, at downstream end of pier of bridge on State Highways 74 and 92, 1.4 mi (2.3 km) downstream from Deep Creek, 8.5 mi (13.7 km) northwest of Fairburn, and at mile 281.8 (453.4 km).

DRAINAGE AREA.—2,060 mi^2 (5,340 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1965 to current year.

GAGE.—Water-stage recorder. Datum of gage is 719.07 ft (219.173 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.—15 years, 3,927 ft^3/s (111 m^3/s), 25.89 in/yr (658 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 37,500 ft^3/s (1,060 m^3/s) Apr. 14, 1979, gage height, 25.18 ft (7.675 m); minimum daily, 1,000 ft^3/s (28.3 m^3/s) July 1, 1970.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 22,000 ft^3/s (623 m^3/s) Mar. 8, gage height, 19.73 ft (6.014 m); minimum daily, 1,120 ft^3/s (31.7 m^3/s) Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2190	2370	3950	1780	8840	3450	10400	8820	2580	5490	2950	1330
2	4010	6160	2670	1790	8150	2150	10100	8830	1980	5560	4200	2110
3	4090	7030	1790	2540	3030	4190	10100	8550	3660	5650	1520	2750
4	6000	4070	3350	2860	2060	7110	9770	3150	3650	5220	1410	3260
5	8050	2510	3760	3070	2480	7200	9510	2210	3600	2040	2370	2790
6	5170	3630	3820	1760	2370	7070	9280	3260	3580	1650	3150	4140
7	2260	4030	3760	1550	2780	6430	9140	3150	3580	2070	2940	1480
8	1740	3930	3630	2540	2730	16600	9360	2990	1920	3280	3860	1120
9	3300	3880	2300	3630	4590	18200	9640	3480	1750	3400	3840	2410
10	3880	5290	1670	3430	6080	9190	9310	5740	3170	3560	1520	2450
11	3860	4450	1710	3900	3840	8230	9120	2460	3340	4150	1510	2190
12	4180	3060	2390	5910	4740	11000	9980	2060	3270	5270	2850	2030
13	5750	2870	2340	3010	4030	16500	7860	6100	3260	2720	3570	2090
14	3270	3760	2330	2070	4140	11500	12300	7370	3230	3850	3450	1300
15	3100	3890	2360	3910	4260	10800	11300	7480	1920	2940	3420	1140
16	5130	3820	2120	4580	5940	6020	11800	7370	1570	2590	4160	2490
17	4160	3760	1630	8170	3570	4790	10000	7540	3220	2740	1960	3070
18	3990	2820	1690	15500	2350	9870	9490	4910	3440	2490	1420	4090
19	3500	1750	2190	14200	4380	10000	9490	2780	4110	2540	2730	3260
20	3150	1850	2460	7030	4710	11200	8980	12200	2930	1570	3740	3280
21	1650	2200	1980	4360	4760	14800	7460	14300	2230	1430	3680	3090
22	1630	2240	2080	6990	5190	12500	9220	9040	1810	1970	3560	1670
23	2190	2080	1780	9930	4800	10500	9030	11200	1950	2010	3960	2020
24	1650	3880	1640	8710	2530	11400	8960	14000	9220	2170	1750	2810
25	1600	4420	2260	8230	2350	11500	8970	6680	9550	2380	1350	2760
26	1700	6710	1930	7280	3010	10400	8560	3370	8320	2500	2590	2580
27	1840	5310	1910	3350	3630	9830	6150	6120	8200	1720	1800	2840
28	1560	4970	2400	2340	3470	13800	5970	6420	7240	1550	2500	2770
29	1710	4920	2260	7100	3480	20100	8720	6330	2490	2380	3450	4410
30	3030	4550	1760	7990	---	11600	8870	6220	1990	2260	3450	7340
31	2870	---	1660	9000	---	8320	---	5880	---	2510	1650	---
TOTAL	102210	116210	73580	168510	118290	316250	278840	200010	112760	91660	86310	81070
MEAN	3297	3874	2374	5436	4079	10200	9295	6452	3759	2957	2784	2702
MAX	8050	7030	3950	15500	8840	20100	12300	14300	9550	5650	4200	7340
MIN	1560	1750	1630	1550	2060	2150	5970	2060	1570	1430	1350	1120

CAL YR 1979 TOTAL 1440850 MEAN 3948 MAX 36900 MIN 1260 MEAN† 4503 CFSM† 2.19 IN† 29.67
WTR YR 1980 TOTAL 1745700 MEAN 4770 MAX 20100 MIN 1120 MEAN† 4468 CFSM† 2.17 IN† 29.52

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to May 1972, March 1974 to current year.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: July 1976 to current year.
pH: July 1976 to current year.
WATER TEMPERATURES: October 1975 to current year.
DISSOLVED OXYGEN: July 1976 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 192 micromhos Feb. 20, 1979; minimum, 33 micromhos July 7, 1976.
pH: Maximum recorded, 7.3 units Nov. 13, 1979, July 12, 1980; minimum, 5.5 units Aug. 12, Sept. 13, 1978.
WATER TEMPERATURE: Maximum, 31.0°C Aug. 7, 1979; minimum, 3.0°C Jan. 18, 1977.
DISSOLVED OXYGEN: Maximum, 13.1 mg/L Mar. 24, 1977; minimum, 1.6 mg/L July 26, 1977.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 133 micromhos Oct. 26; minimum, 40 micromhos Jan. 29.
pH: Maximum, 7.3 units Nov. 13, July 12; minimum recorded, 6.2 units July 18, 19.
WATER TEMPERATURE: Maximum recorded, 28.5°C July 7, 19; minimum, 5.5°C Mar. 3.
DISSOLVED OXYGEN: Maximum, 11.4 mg/L Mar. 3; minimum recorded, 2.8 mg/L July 19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
16...	0930	5290	6.7	12.5	15.0	7.9
NOV						
13...	1045	3030	6.9	9.0	14.5	7.8
DEC						
11...	1030	1560	6.9	10.0	11.5	7.8
JAN						
15...	0930	3820	7.0	7.5	8.5	9.9
FEB						
20...	1100	3930	6.9	7.5	7.5	10.8
MAR						
10...	1035	9000	6.5	14.0	12.5	9.0
APR						
22...	1045	9910	6.8	25.0	13.5	9.6
MAY						
28...	1045	5950	6.8	23.5	17.0	8.0
JUN						
17...	0725	3140	6.8	21.0	24.0	5.8
JUL						
23...	0745	2610	6.8	22.0	25.5	5.1
AUG						
26...	1215	1950	6.8	29.5	24.0	5.3
SEP						
16...	1100	2350	7.0	23.5	23.5	5.5

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)
OCT 16...	56	16	8	3.2	3300	15
NOV 13...	81	35	19	4.4	150000	20
DEC 11...	111	24	39	8.6	9300	25
JAN 15...	74	22	15	2.2	930	17
FEB 20...	65	18	0	2.4	430	16
MAR 10...	56	140	24	3.4	4300	11
APR 22...	46	24	5	1.8	930	16
MAY 28...	58	22	12	2.3	930	16
JUN 17...	80	13	26	5.9	4300	18
JUL 23...	88	18	28	7.4	4300	19
AUG 26...	76	19	14	5.0	3900	20
SEP 16...	71	10	13	4.0	29000	16

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 16...	22	80	.47	.410	.48	.060	2.0
NOV 13...	63	124	.61	.590	1.5	.400	<1.0
DEC 11...	29	84	.62	1.150	3.2	.920	<1.0
JAN 15...	36	116	.53	1.000	1.5	.290	2.0
FEB 20...	15	262	.34	.560	1.3	.240	4.0
MAR 10...	120	196	.35	.200	.80	.230	9.0
APR 22...	40	76	.31	.250	.50	.130	2.5
MAY 28...	38	80	.49	.370	1.1	.180	5.0
JUN 17...	30	76	.60	.920	1.2	.500	4.0
JUL 23...	20	--	.66	1.020	1.3	.500	4.0
AUG 26...	30	92	.69	.690	1.2	.620	3.0
SEP 16...	23	78	.32	.760	1.7	.410	6.5

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	96	84	109	88	94	63	105	89	61	44	97	74
2	103	60	102	61	88	76	94	78	59	43	113	86
3	84	58	70	61	108	79	110	69	99	60	112	64
4	83	57	85	65	108	78	91	70	103	96	66	44
5	67	58	92	70	96	64	94	69	125	98	101	59
6	78	60	95	69	93	61	103	71	111	101	76	64
7	96	68	84	62	91	65	102	97	118	89	72	54
8	105	97	79	64	86	63	107	82	109	91	80	60
9	104	70	79	61	89	71	100	74	107	75	---	---
10	94	60	94	65	103	83	80	70	78	69	65	53
11	93	63	89	67	124	95	92	71	88	76	68	49
12	82	65	89	75	111	91	86	57	98	70	63	45
13	72	53	98	85	95	84	80	71	91	68	54	44
14	85	64	102	72	101	85	99	82	89	68	59	46
15	83	65	90	69	103	84	113	65	82	68	59	45
16	67	56	87	68	102	84	67	56	91	68	80	61
17	81	59	87	66	107	87	79	56	91	68	87	68
18	83	64	91	74	123	101	58	47	104	92	79	56
19	94	63	108	79	103	89	53	49	108	67	70	47
20	98	70	116	103	95	76	63	53	90	66	56	46
21	132	84	108	94	108	76	77	65	87	67	69	43
22	119	98	107	89	117	94	89	43	99	65	58	48
23	124	91	104	83	101	90	68	50	83	65	59	45
24	128	109	98	79	93	84	60	47	115	69	62	47
25	130	119	84	69	106	74	63	47	108	82	63	46
26	133	115	82	71	85	69	62	46	110	74	64	48
27	123	111	88	70	99	86	93	63	96	70	69	46
28	116	104	85	68	100	79	98	91	95	70	65	50
29	116	97	79	66	94	81	107	40	95	73	58	49
30	118	82	92	66	106	76	59	42	---	---	75	59
31	108	83	---	---	105	92	62	50	---	---	73	61
MONTH	133	53	116	61	124	61	113	40	125	43	113	43

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	72	49	65	44	100	59	67	50	84	64	106	97
2	66	49	62	43	103	93	64	48	78	51	99	72
3	68	49	61	44	113	70	60	47	---	---	97	68
4	70	46	98	60	80	67	62	49	---	---	89	66
5	64	45	109	94	83	66	100	64	---	---	97	62
6	65	45	113	81	80	66	102	92	81	62	78	50
7	62	44	112	68	83	68	103	94	82	64	103	56
8	63	46	120	75	113	75	98	65	78	55	110	100
9	71	48	106	76	107	101	86	61	73	54	115	54
10	61	46	83	49	108	73	74	62	109	64	81	60
11	62	46	104	67	85	67	81	58	112	100	89	64
12	63	50	105	97	94	65	76	48	121	63	89	64
13	68	60	96	45	87	69	91	58	---	---	---	---
14	80	51	65	45	87	64	93	54	---	---	---	---
15	63	47	69	44	103	69	90	62	---	---	---	---
16	61	49	61	45	108	101	100	73	---	---	77	61
17	67	48	73	44	124	75	107	71	---	---	74	62
18	65	49	83	68	82	70	128	84	---	---	---	---
19	72	49	101	71	87	55	129	110	92	69	---	---
20	63	47	101	44	97	66	---	---	79	61	---	---
21	68	48	56	44	123	71	---	---	88	63	---	---
22	65	47	68	47	110	73	---	---	81	63	---	---
23	67	47	80	42	105	95	102	79	76	58	---	---
24	70	48	53	43	113	53	114	71	109	62	83	58
25	67	48	70	53	70	51	---	---	110	103	82	56
26	69	48	86	72	---	---	---	---	109	57	80	60
27	82	58	84	48	---	---	---	---	123	63	80	61
28	67	55	63	48	---	---	---	---	124	64	96	73
29	69	46	66	49	---	---	103	80	87	62	87	64
30	69	44	68	48	---	---	110	77	80	58	92	57
31	---	---	64	48	---	---	109	73	106	65	---	---
MONTH	82	44	120	42	124	51	129	47	124	51	115	50
YEAR	133	40										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	6.9	7.0	6.9	7.0	6.9	7.0	6.9	6.9	6.9	7.0	6.9
2	7.0	6.9	7.0	6.8	7.0	6.9	7.0	6.9	6.9	6.8	7.0	7.0
3	7.0	7.0	6.9	6.8	7.0	6.9	6.9	6.9	7.0	6.9	7.0	7.0
4	7.1	6.9	6.9	6.9	7.0	6.9	7.0	6.9	7.0	6.9	7.0	6.9
5	7.0	6.8	7.0	6.9	7.0	6.9	7.0	6.9	7.1	7.0	6.9	6.8
6	7.0	7.0	7.0	6.9	6.9	6.9	7.0	6.9	7.1	6.9	6.9	6.8
7	7.1	7.0	7.0	6.9	6.9	6.9	7.0	7.0	7.0	6.9	6.8	6.8
8	7.2	7.1	6.9	6.9	6.9	6.9	7.0	6.9	7.0	7.0	6.9	6.7
9	7.2	7.1	6.9	6.9	6.9	6.9	7.0	6.8	7.0	6.9	---	---
10	7.2	7.1	6.9	6.7	6.9	6.9	6.9	6.7	6.9	6.8	6.7	6.5
11	7.1	7.1	6.9	6.8	7.0	6.9	7.0	6.9	6.9	6.9	6.7	6.6
12	7.1	7.1	6.9	6.9	7.0	7.0	7.0	6.9	7.0	6.9	6.7	6.6
13	7.1	7.0	7.3	6.9	7.0	6.9	7.0	6.9	7.0	6.9	6.6	6.5
14	7.1	7.0	7.1	7.0	7.0	6.9	7.0	6.9	7.0	6.8	6.7	6.5
15	7.1	7.0	7.0	7.0	7.0	6.9	7.0	6.9	7.0	6.9	6.8	6.6
16	7.1	6.9	7.0	6.9	7.0	6.9	6.9	6.9	7.0	6.9	6.8	6.7
17	7.1	7.0	7.0	6.9	7.0	6.9	6.9	6.8	7.0	6.9	6.9	6.8
18	7.0	7.0	7.0	6.9	7.0	7.0	6.8	6.7	7.0	6.9	6.9	6.7
19	7.0	6.9	7.0	6.9	7.0	7.0	6.7	6.7	7.0	6.9	6.8	6.7
20	7.0	6.9	7.0	6.9	7.1	6.9	6.8	6.7	6.9	6.8	6.8	6.7
21	7.1	7.0	6.9	6.9	7.1	6.9	6.9	6.8	7.0	6.9	6.9	6.6
22	7.1	7.0	6.9	6.8	7.0	6.9	6.9	6.8	7.1	6.9	6.7	6.6
23	7.1	7.0	6.8	6.8	7.0	6.9	6.9	6.8	7.0	6.9	6.7	6.7
24	7.0	7.0	6.8	6.7	6.9	6.9	6.9	6.8	7.2	7.0	6.9	6.7
25	7.0	7.0	6.8	6.7	6.9	6.8	6.9	6.8	7.1	7.0	6.8	6.7
26	7.1	7.0	6.8	6.7	6.9	6.8	6.9	6.8	7.1	7.0	6.8	6.8
27	7.1	7.0	6.9	6.8	7.0	6.8	6.9	6.9	7.0	6.9	6.8	6.8
28	7.1	7.0	6.9	6.9	7.0	6.9	7.0	6.9	7.0	7.0	6.9	6.6
29	7.0	7.0	6.9	6.9	7.0	6.9	7.1	6.8	7.0	6.9	6.6	6.6
30	7.1	6.9	7.0	6.9	7.1	7.0	6.9	6.8	---	---	6.9	6.6
31	7.0	6.9	---	---	7.0	7.0	6.9	6.8	---	---	6.8	6.7
MONTH	7.2	6.8	7.3	6.7	7.1	6.8	7.1	6.7	7.2	6.8	7.0	6.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.8	6.8	6.8	6.8	6.9	6.8	7.2	6.8	6.8	6.6	7.0	6.7
2	6.8	6.8	6.9	6.8	6.9	6.9	7.2	6.7	6.8	6.5	6.8	6.6
3	6.9	6.8	6.8	6.8	6.9	6.9	7.1	6.9	---	---	7.0	6.7
4	6.9	6.8	6.8	6.8	6.9	6.8	---	---	---	---	6.9	6.6
5	7.0	6.9	6.9	6.8	6.9	6.8	---	---	---	---	6.9	6.6
6	6.9	6.9	6.8	6.8	7.0	6.9	6.9	6.7	6.8	6.7	7.1	6.7
7	6.9	6.9	6.8	6.7	7.1	7.0	6.8	6.6	6.9	6.7	7.1	6.6
8	6.9	6.9	6.9	6.8	7.1	7.0	6.9	6.6	7.0	6.7	---	---
9	6.9	6.9	6.8	6.8	7.1	7.0	7.1	6.8	7.0	6.8	---	---
10	6.9	6.9	6.8	6.7	7.0	6.9	7.2	6.8	7.0	6.8	---	---
11	6.9	6.9	6.7	6.7	7.0	6.8	7.1	6.8	6.8	6.6	---	---
12	6.9	6.8	6.8	6.7	7.0	6.8	7.3	6.9	6.7	6.6	---	---
13	6.9	6.7	6.7	6.6	7.0	6.8	7.2	6.9	---	---	---	---
14	6.9	6.7	6.8	6.5	7.0	6.8	7.0	6.7	---	---	---	---
15	6.8	6.7	6.8	6.8	7.0	6.8	6.9	6.6	---	---	---	---
16	6.9	6.8	6.9	6.8	6.9	6.7	6.8	6.4	---	---	7.0	6.9
17	6.9	6.8	6.9	6.8	6.8	6.6	6.7	6.4	---	---	7.0	7.0
18	6.9	6.8	6.9	6.7	6.9	6.7	6.5	6.2	---	---	---	---
19	6.9	6.8	6.8	6.8	7.0	6.7	6.4	6.2	6.8	6.7	---	---
20	6.9	6.9	6.8	6.6	7.0	6.8	---	---	7.1	6.8	---	---
21	6.9	6.8	6.7	6.7	6.8	6.7	---	---	7.2	6.9	---	---
22	6.9	6.8	6.8	6.7	6.9	6.6	---	---	7.2	6.9	---	---
23	6.9	6.8	6.9	6.7	6.9	6.6	6.9	6.8	7.1	6.9	---	---
24	6.9	6.8	6.8	6.7	7.0	6.5	7.0	6.8	7.1	6.9	7.1	7.0
25	6.8	6.8	6.8	6.7	6.8	6.6	---	---	7.0	6.7	7.1	7.1
26	6.8	6.8	6.9	6.8	---	---	---	---	6.8	6.6	7.2	7.1
27	6.8	6.7	6.9	6.9	---	---	---	---	7.0	6.6	7.1	7.1
28	6.8	6.7	6.9	6.7	---	---	---	---	6.9	6.7	7.2	7.0
29	6.8	6.7	6.9	6.8	---	---	6.8	6.6	7.0	6.7	7.1	7.0
30	6.8	6.8	6.9	6.8	---	---	6.9	6.6	7.0	6.7	7.1	7.0
31	---	---	6.9	6.8	---	---	6.8	6.6	7.1	6.8	---	---
MONTH	7.0	6.7	6.9	6.5	7.1	6.5	7.3	6.2	7.2	6.5	7.2	6.6
YEAR	7.3	6.2										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	20.5	18.5	17.0	11.5	10.0	12.0	11.5	7.5	7.0	10.5	9.0
2	22.0	17.5	17.0	15.5	11.0	10.0	11.5	9.5	7.5	6.5	9.0	7.0
3	18.5	16.5	15.5	14.5	11.0	9.0	11.5	10.0	7.5	6.5	6.5	5.5
4	17.0	16.0	14.5	13.5	10.0	8.5	11.0	10.5	8.0	7.0	8.0	6.5
5	17.0	15.0	15.0	13.5	11.0	9.0	11.0	9.5	7.5	7.0	9.0	8.5
6	16.0	15.0	14.5	13.5	13.5	10.0	10.5	9.0	8.0	6.5	10.0	9.0
7	17.5	15.5	15.5	13.5	13.5	11.5	11.0	9.5	8.0	6.5	10.0	9.5
8	19.5	16.5	15.5	14.0	13.0	11.5	11.5	9.0	8.0	7.0	12.0	10.5
9	20.0	17.0	15.5	14.0	12.5	11.0	11.5	9.5	8.0	6.0	---	---
10	18.0	16.0	16.5	15.0	12.5	10.0	11.5	10.5	6.5	6.0	13.5	12.5
11	18.0	15.0	16.0	14.5	13.5	11.5	11.5	10.0	7.0	6.5	13.5	11.0
12	17.0	15.5	14.5	14.5	14.0	12.0	10.0	9.0	8.0	6.0	11.0	7.5
13	16.0	15.0	15.0	14.0	15.0	13.0	10.0	9.0	8.5	7.0	8.0	7.5
14	16.0	14.5	14.5	13.0	14.5	14.0	10.5	9.5	9.0	7.0	8.5	7.5
15	16.5	14.0	15.0	12.5	14.0	13.0	11.0	9.0	9.5	8.0	9.5	8.5
16	16.0	14.0	15.0	13.0	13.5	12.5	11.0	10.0	10.0	9.5	11.5	9.5
17	17.0	15.5	15.5	13.0	13.0	11.5	12.0	11.0	9.0	8.0	13.0	12.0
18	17.0	15.5	15.0	13.5	11.5	10.0	12.0	11.0	9.0	7.0	13.0	11.5
19	18.0	15.5	16.0	13.5	10.5	9.0	11.5	11.0	8.5	6.5	11.5	10.0
20	18.0	16.0	16.0	14.5	11.0	9.5	11.0	10.5	8.5	7.5	10.0	9.5
21	19.5	17.0	15.5	14.5	11.5	10.0	11.0	10.5	9.5	8.0	12.5	10.5
22	20.5	18.5	16.5	14.0	11.5	10.5	12.0	10.0	11.0	9.0	12.5	11.5
23	20.0	18.0	17.5	16.0	13.0	11.0	11.0	9.5	13.0	11.0	12.0	10.5
24	18.0	17.0	17.5	16.0	13.5	12.0	9.5	8.5	14.5	12.0	11.0	10.0
25	17.5	16.0	17.0	16.0	13.5	11.5	9.5	8.5	14.0	12.5	11.5	10.5
26	17.5	16.0	16.5	15.0	11.5	11.0	10.0	9.0	12.0	9.5	11.5	11.0
27	17.0	15.0	15.5	13.5	12.5	11.5	11.0	10.0	9.5	7.5	11.5	10.5
28	17.5	15.0	14.5	13.0	12.5	10.5	11.5	10.5	10.5	8.0	12.0	10.5
29	17.5	16.5	13.5	11.5	12.5	10.5	12.0	9.5	11.5	9.5	12.0	10.5
30	17.0	16.0	12.5	10.5	12.5	11.0	9.5	8.5	---	---	13.0	12.0
31	18.0	16.0	---	---	12.5	12.0	9.0	7.5	---	---	14.0	12.5
MONTH	22.0	14.0	18.5	10.5	15.0	8.5	12.0	7.5	14.5	6.0	14.0	5.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.5	11.5	13.5	12.5	20.5	16.5	22.5	17.0	24.5	21.0	24.0	21.0
2	12.5	11.5	13.5	12.5	23.0	19.5	19.5	17.0	23.5	18.5	23.5	22.5
3	12.5	11.5	14.0	13.0	22.5	20.5	19.5	17.0	---	---	23.0	19.5
4	13.0	12.0	18.0	14.0	21.0	18.5	19.5	16.5	---	---	22.5	19.5
5	13.0	11.5	20.5	17.5	21.0	19.0	24.0	18.5	---	---	23.5	20.0
6	12.0	11.5	19.5	18.5	20.5	18.5	27.5	24.0	22.5	21.0	23.0	19.0
7	12.5	11.5	19.0	16.5	20.0	18.0	28.5	25.5	23.5	20.5	25.0	19.5
8	13.0	12.0	19.5	17.5	23.5	20.0	27.5	23.5	24.0	19.5	27.0	24.0
9	13.5	12.5	18.5	16.5	23.0	21.0	23.5	21.0	20.5	19.0	27.5	22.0
10	13.0	12.0	17.0	14.0	22.0	20.5	22.5	20.5	25.0	20.0	22.5	19.5
11	12.5	12.0	18.5	14.5	20.5	17.5	23.0	20.5	26.5	24.0	23.5	20.0
12	12.5	12.0	21.0	18.0	19.0	17.0	21.5	18.0	27.5	21.0	23.5	20.5
13	15.0	12.5	20.5	14.0	19.5	18.0	25.5	18.5	---	---	---	---
14	16.0	14.5	15.0	13.0	19.5	17.5	27.0	21.5	---	---	---	---
15	14.5	12.0	15.0	13.5	23.0	19.5	24.5	21.0	---	---	---	---
16	12.5	11.5	15.5	14.0	25.5	21.5	26.0	22.0	---	---	24.0	22.5
17	12.5	11.5	15.5	13.5	25.0	21.0	25.5	21.5	---	---	22.5	19.5
18	13.0	12.0	19.0	16.0	20.5	18.5	28.0	25.0	---	---	---	---
19	13.0	12.0	20.5	18.5	20.0	17.5	28.5	26.0	23.5	21.0	---	---
20	13.5	12.5	20.0	16.5	21.5	18.5	---	---	21.0	18.5	---	---
21	15.0	13.5	18.0	16.5	22.5	21.0	---	---	22.0	19.0	---	---
22	14.0	13.0	17.5	15.0	22.5	20.0	---	---	21.0	19.0	---	---
23	14.5	13.5	17.5	15.0	23.5	21.5	25.5	23.0	21.0	19.0	---	---
24	15.0	14.0	18.5	16.0	23.5	21.5	25.0	22.5	23.0	19.5	20.5	18.5
25	15.0	13.5	19.5	17.0	21.5	19.0	---	---	25.0	22.0	20.5	18.5
26	15.5	13.5	21.5	19.5	---	---	---	---	24.0	19.5	20.0	18.0
27	16.5	14.5	21.5	16.0	---	---	---	---	21.5	18.5	20.0	17.0
28	15.0	14.0	18.0	15.5	---	---	---	---	22.0	19.5	18.0	17.5
29	14.5	12.5	17.5	15.5	---	---	25.5	24.0	20.5	17.5	18.0	17.5
30	13.5	12.0	17.5	16.0	---	---	25.0	21.0	19.5	17.0	17.5	16.0
31	---	---	18.0	16.0	---	---	25.5	22.5	21.0	18.0	---	---
MONTH	16.5	11.5	21.5	12.5	25.5	16.5	28.5	16.5	27.5	17.0	27.5	16.0
YEAR	28.5	5.5										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.3	5.7	7.0	6.4	9.4	8.5	8.7	8.2	9.2	8.9	9.7	8.9
2	7.4	5.7	7.7	6.1	9.4	8.7	9.3	8.6	9.1	9.0	9.9	9.3
3	7.6	6.6	7.9	7.3	9.4	8.6	9.5	8.6	9.1	8.6	11.4	10.0
4	7.7	6.8	8.6	7.8	10.0	8.9	9.5	8.6	9.0	8.7	11.2	10.8
5	8.1	6.9	8.4	7.7	9.9	8.8	9.4	8.7	9.1	8.9	10.9	9.6
6	8.1	7.4	8.7	8.0	9.7	8.1	9.5	8.7	9.4	9.0	10.1	9.8
7	7.8	6.8	8.5	7.9	8.9	8.0	9.2	8.7	9.4	9.1	10.3	9.8
8	7.0	6.1	8.4	7.9	9.0	8.2	9.5	8.6	9.5	9.2	9.9	8.8
9	7.7	6.1	8.3	7.7	9.1	8.2	9.3	8.5	9.6	9.5	---	---
10	8.0	6.7	8.1	6.5	8.7	7.9	9.2	6.6	10.0	9.8	9.1	8.9
11	8.2	6.7	7.8	7.1	8.1	7.4	8.2	6.4	10.2	9.9	10.4	8.7
12	8.1	7.2	8.1	7.8	8.4	7.6	9.7	8.3	10.2	10.1	10.9	9.9
13	8.0	7.4	7.9	7.5	8.2	6.9	9.7	9.5	10.5	10.2	10.9	10.7
14	8.0	7.1	8.6	7[illegible]	7.6	7.1	9.6	9.1	10.7	9.7	11.3	10.7
15	8.4	7.1	8.7	7.[illegible]	7.9	7.4	9.9	9.1	10.6	9.9	11.3	10.8
16	8.4	7.6	8.7	7.8	8.1	7.8	9.8	9.7	10.5	9.3	10.9	9.8
17	8.0	7.3	8.6	7.6	8.2	7.4	9.7	9.1	10.4	10.0	9.8	8.7
18	8.2	7.4	8.4	7.4	8.5	7.9	9.6	9.3	10.5	10.2	9.9	8.7
19	8.2	6.7	8.0	6.9	9.2	8.8	10.0	9.6	11.3	10.3	11.0	9.5
20	7.9	6.6	7.2	6.8	9.4	8.9	10.0	10.0	11.1	9.9	10.9	10.4
21	7.1	5.8	7.6	6.9	9.4	8.6	10.1	9.8	10.5	9.9	10.4	9.3
22	5.9	5.6	7.6	6.3	9.2	8.5	10.4	9.7	10.3	9.1	9.6	9.3
23	6.5	5.8	7.0	6.3	9.0	8.3	10.3	9.8	9.8	8.9	10.8	9.5
24	6.1	5.7	6.8	6.0	8.8	7.8	10.6	10.3	9.4	7.9	10.7	9.8
25	6.7	5.9	8.0	6.2	8.7	7.8	10.6	10.4	8.9	7.8	10.6	9.7
26	6.9	6.0	7.7	6.5	9.2	8.6	10.3	10.1	9.9	8.7	10.5	9.7
27	7.1	6.3	8.3	7.5	9.0	8.3	9.9	9.0	10.6	9.6	10.6	9.8
28	7.3	6.0	8.4	7.8	9.5	8.4	8.9	7.5	10.4	9.3	10.1	9.6
29	6.6	6.0	8.8	8.2	9.5	8.7	8.8	7.5	9.9	8.7	9.8	9.2
30	7.5	6.4	9.3	8.4	9.4	8.3	8.8	8.6	---	---	9.2	8.9
31	7.6	6.5	---	---	8.5	8.2	9.0	8.5	---	---	9.2	8.8
MONTH	8.4	5.6	9.3	6.0	10.0	6.9	10.6	6.4	11.3	7.8	11.4	8.7

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	10.2	9.1	9.9	9.1	8.7	6.4	9.1	6.5	7.1	5.3	5.6	4.8
2	10.3	9.4	9.9	9.2	6.4	5.5	9.2	7.8	8.2	6.3	5.9	4.9
3	10.3	9.6	9.8	9.2	6.6	5.0	9.2	7.9	---	---	6.9	4.3
4	10.1	9.2	9.3	6.3	7.2	6.2	9.1	7.7	---	---	6.7	3.6
5	10.3	9.2	6.8	5.4	7.3	5.9	8.4	5.1	---	---	7.4	4.6
6	10.3	9.5	7.2	5.9	7.5	6.4	5.5	4.6	7.2	6.3	7.9	6.3
7	10.1	9.5	8.0	6.4	7.6	6.6	5.2	3.5	7.7	5.9	7.6	4.5
8	10.0	9.3	7.5	6.1	7.0	4.6	6.9	4.2	7.7	6.1	4.6	3.8
9	9.8	8.9	7.8	6.5	5.2	4.7	8.0	6.2	8.0	7.4	8.0	3.3
10	10.0	9.2	9.4	7.6	6.8	5.0	8.3	7.1	7.5	4.8	8.3	6.1
11	10.1	9.4	8.8	6.4	8.1	6.9	7.8	7.7	4.9	3.1	7.6	5.3
12	9.8	9.1	6.5	5.7	8.6	6.8	8.9	7.0	6.8	3.3	7.4	5.5
13	9.0	7.5	9.2	6.0	8.5	6.9	8.6	4.4	---	---	---	---
14	8.4	6.8	9.6	8.4	8.5	7.0	7.4	4.1	---	---	---	---
15	9.9	9.1	9.4	8.1	7.8	5.5	7.5	5.1	---	---	---	---
16	10.2	9.6	9.4	8.3	5.7	4.6	6.4	4.3	---	---	6.9	5.9
17	10.3	9.5	9.3	7.6	6.9	4.5	6.5	4.0	---	---	7.2	6.9
18	10.1	9.5	7.1	5.4	7.7	6.4	4.9	2.8	---	---	---	---
19	10.1	9.1	6.7	5.2	8.0	6.1	3.4	3.0	7.3	5.5	---	---
20	10.1	9.3	7.9	4.9	7.5	5.4	---	---	7.9	6.9	---	---
21	9.9	8.7	8.5	7.3	6.3	4.5	---	---	8.1	6.2	---	---
22	9.9	9.2	9.0	7.4	6.5	5.4	---	---	7.9	6.5	---	---
23	9.7	9.0	9.0	6.8	5.7	4.9	5.9	4.6	8.0	6.4	---	---
24	9.6	8.6	8.6	6.9	7.2	4.5	6.4	4.2	7.3	5.0	7.5	6.5
25	9.6	8.7	7.7	6.6	8.4	6.8	---	---	5.3	4.6	7.9	6.6
26	9.4	8.6	6.5	6.1	---	---	---	---	8.1	4.5	8.1	6.5
27	8.7	6.6	9.0	6.3	---	---	---	---	8.0	5.3	8.1	6.8
28	8.8	8.1	9.2	7.9	---	---	---	---	8.0	5.3	7.5	5.8
29	9.7	8.2	9.2	8.1	---	---	5.6	4.2	8.5	6.6	7.1	6.1
30	9.9	9.2	9.1	7.9	---	---	6.9	4.0	8.3	6.8	8.4	7.3
31	---	---	9.0	7.9	---	---	6.6	4.1	8.1	5.4	---	---
MONTH	10.3	6.6	9.9	4.9	8.7	4.5	9.2	2.8	8.5	3.1	8.4	3.3
YEAR	11.4	2.8										

02337500 SNAKE CREEK NEAR WHITESBURG, GA.

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, Hydrologic Unit 03130002, at downstream end of left bank pier of highway bridge, at Banning Mills, 1.5 mi (2.4 km) north of State Highway 16, 3 mi (4.8 km) northwest of Whitesburg, 4 mi (6.4 mi) downstream from Little Snake Creek, and 7 mi (11.3 km) upstream from mouth.
DRAINAGE AREA.—37 mi^2 (96 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1954 to current year.
GAGE.—Water-stage recorder. Altitude of gage is 850 ft (259 m), from topographic map.
REMARKS.—Records good except those for period of no gage-height record, Mar. 10-28, which are poor.
AVERAGE DISCHARGE.—26 years, 58.8 ft^3/s (1.67 m^3/s), 21.58 in/yr (548 mm/yr).
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 7,690 ft^3/s (218 m^3/s) Feb. 25, 1961, gage height, 14.40 ft (4.389 m); minimum, 2.3 ft^3/s (0.065 m^3/s) Oct. 7, 1954, gage height, 1.56 ft (0.475 m).
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,000 ft^3/s (28.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 18	0915	1240	35.1	5.77	1.759
Mar. 8	1300	1220	34.6	5.74	1.760
Mar. 12	unknown	2010	56.9	7.50	2.286
Mar. 28	unknown	unknown		unknown	
Apr. 13	2100	*2310	65.4	8.10	2.469
May 20	1000	1570	44.5	6.47	1.972
May 23	1700	1320	37.4	6.03	1.838

Minimum discharge, 12 ft^3/s (0.34 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	28	44	34	66	62	140	82	75	37	27	17
2	43	368	42	34	62	63	124	79	72	37	26	16
3	37	89	41	33	60	61	116	78	70	35	26	15
4	70	60	40	37	59	60	115	77	67	34	28	15
5	58	50	39	38	57	123	107	73	65	33	27	15
6	44	44	39	35	53	104	102	71	63	68	25	16
7	38	41	39	34	53	101	99	69	62	56	24	14
8	34	38	38	39	52	400	103	71	60	36	23	14
9	32	37	37	40	109	184	99	67	57	32	22	13
10	32	52	36	37	121	110	95	64	56	30	21	14
11	32	67	35	55	86	120	92	63	56	28	20	16
12	30	60	35	59	74	600	118	62	55	26	21	14
13	28	51	35	50	66	500	512	62	54	29	22	14
14	26	46	37	50	62	250	371	84	53	34	21	13
15	26	42	35	44	60	150	188	76	52	34	19	13
16	26	41	36	44	83	120	134	67	50	34	19	13
17	25	39	35	340	70	350	117	153	60	33	34	15
18	25	38	34	521	65	200	112	132	68	32	22	18
19	25	37	34	164	62	150	107	92	55	31	22	16
20	25	36	34	100	61	130	103	449	56	30	24	16
21	25	34	34	83	58	500	98	156	57	30	21	16
22	25	34	33	142	88	250	94	135	54	30	18	15
23	28	35	33	197	72	170	92	378	58	31	16	14
24	26	90	36	104	66	200	90	216	70	32	17	13
25	25	68	36	86	64	150	87	134	70	33	20	18
26	25	73	36	77	62	130	94	105	57	32	17	17
27	25	58	40	73	60	200	106	92	47	43	16	14
28	24	52	36	66	59	700	88	87	45	36	15	52
29	27	47	34	62	58	263	95	85	44	31	15	52
30	29	45	36	60	---	215	86	80	42	29	16	130
31	26	---	34	78	---	165	---	78	---	28	17	---
TOTAL	991	1800	1133	2818	1968	6781	3884	3517	1750	1064	661	638
MEAN	32.0	60.0	36.5	90.9	67.9	219	129	113	58.3	34.3	21.3	21.3
MAX	70	368	44	521	121	700	512	449	75	68	34	130
MIN	24	28	33	33	52	60	86	62	42	26	15	13
CFSM	.87	1.62	.99	2.46	1.84	5.92	3.49	3.05	1.58	.93	.58	.58
IN.	1.00	1.81	1.14	2.83	1.98	6.82	3.90	3.54	1.76	1.07	.66	.64

CAL YR 1979 TOTAL 23545 MEAN 64.5 MAX 1800 MIN 16 CFSM 1.74 IN 23.67
WTR YR 1980 TOTAL 27005 MEAN 73.8 MAX 700 MIN 13 CFSM 2.00 IN 27.15

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1970 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
29...	0830	24	22	6.5	12.0	10.2
JUN						
24...	0800	66	27	6.6	20.0	8.5

DATE	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT											
29...	20	5.0	7	0	1.6	.7	2.4	.3	10	6.2	1.4
JUN											
24...	15	7.5	6	0	1.3	.6	2.0	.9	7	3.4	2.1

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT										
29...	2.2	.1	10	38	2.46	.05	.000	.20	.20	.08
JUN										
24...	2.0	.1	8.9	34	6.06	.11	.020	.24	.26	.00

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT										
29...	.12	.25	.010	.03	.010	20	0	0	0	<10
JUN										
24...	--	.37	.040	.12	.030	40	1	0	2	10

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
29...	7	60	3	3	20	.1	<.1	0	50	.6
JUN										
24...	1	150	1	0	20	.1	<.1	0	7	.5

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi (0.8 km) upstream from Central of Georgia Railroad bridge, 1.2 mi (1.9 km) southeast of Whitesburg, 1.5 mi (2.4 km) downstream from Cedar Creek, 2.0 mi (3.2 km) downstream from Snake Creek, and at mile 259.8 (418.0 km).

DRAINAGE AREA.--2,430 mi2 (6,290 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to June 1954, January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 682.06 ft (207.892 m) National Geodetic Vertical Datum of 1929. Prior to May 1, 1949, nonrecording gage at site 1.0 mi (1.6 km) upstream at datum 2.00 ft (0.61 m) higher. May 1, 1949, to June 30, 1954, nonrecording gage at present site at datum 2.00 ft (0.61 m) higher.

REMARKS.--Records good except those for periods of doubtful gage-height record, May 4-9, and July 20 to Sept. 8, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.--30 years, 4,108 ft3/s (116 m3/s), 22.96 in/yr (583 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft3/s (1,670 m3/s) Jan. 10, 1946, gage height, 25.1 ft (7.65 m), site and datum then in use, from graph based on gage readings, from rating extended above 30,000 ft3/s (850 m3/s) on basis of velocity-area and channel-capacity studies; minimum daily, 468 ft3/s (13.3 m3/s) Oct. 26, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,400 ft3/s (748 m3/s) Mar. 9, gage height, 17.69 ft (5.392 m); minimum daily, 1,350 ft3/s (38.2 m3/s) Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2500	2670	4620	1940	9500	4000	11100	9230	4250	4470	2990	1550
2	3600	6120	3210	2270	8660	3150	11100	9210	2540	5740	3990	1800
3	4340	8090	2440	2310	5380	3630	11100	9110	3460	5770	2700	2770
4	4650	5200	2950	3180	2640	6850	10700	5000	4200	5590	1600	3490
5	9530	3260	4170	3440	2790	7800	10300	2600	3980	3410	2000	3190
6	5810	3320	4010	2540	2920	8600	9980	3800	3970	2000	3130	3990
7	3750	4280	4000	1890	3170	6840	9730	4000	3980	2460	3260	2400
8	2150	4150	4010	2450	3150	15700	9870	3600	2870	3210	3610	1350
9	2860	4040	2950	3650	4190	25600	10400	3700	2080	3480	4090	1850
10	4070	4790	2200	3850	7800	14000	9960	5350	2920	3840	2600	2970
11	4010	5490	1950	3810	5130	8970	9710	4070	3650	4100	1850	2460
12	3890	4280	2500	6360	4890	11800	10200	2380	3630	4950	2200	2340
13	5180	3170	2710	4090	4910	23300	9740	5120	3590	4140	3660	2230
14	4480	3630	2670	2770	4490	15800	15800	7610	3560	3300	3810	1600
15	3130	4260	2750	3470	4650	12400	12500	8050	2830	3680	3340	1450
16	4420	4110	2540	4890	6020	8000	13600	7770	2020	2930	4340	1890
17	4700	4030	2170	7550	5320	5610	11300	8100	2820	2850	3050	3110
18	4090	3550	1860	20200	3130	10500	10200	7250	3920	2940	1600	4100
19	3900	2350	2340	20600	4140	10300	10100	3640	4120	2690	2000	3630
20	3350	2050	2700	9880	5060	12300	9750	12500	4120	2000	3820	3380
21	2290	2420	2530	5630	5230	16500	7940	20100	2260	1650	3900	3700
22	1750	2630	2390	6260	5590	17100	9640	11100	2640	2050	3790	2200
23	2320	2350	2190	11800	5950	11100	9550	12000	2090	2300	3940	1980
24	2130	3560	2050	9520	3820	12400	9430	18500	8230	2400	2950	2790
25	1810	5040	2400	8850	2710	13200	9400	10600	10700	2500	1550	3000
26	1850	7080	2510	7990	3390	11600	9240	4530	8520	2700	1900	2880
27	2020	5530	2140	5160	4170	10700	6890	5650	8910	2310	2500	2900
28	1930	5340	2620	3030	3990	14500	6380	7060	7720	1700	2000	2540
29	1690	5370	2560	5690	3940	25500	8690	7440	4310	2100	3650	5300
30	2860	4710	2310	8270	---	19700	9350	6710	2310	2640	3700	6730
31	3270	---	2040	9210	---	9860	---	6450	---	2350	2600	---
TOTAL	108330	126870	84490	192550	136730	377310	303650	232230	126200	98250	92120	85570
MEAN	3495	4229	2725	6211	4715	12170	10120	7491	4207	3169	2972	2852
MAX	9530	8090	4620	20600	9500	25600	15800	20100	10700	5770	4340	6730
MIN	1690	2050	1860	1890	2640	3150	6380	2380	2020	1650	1550	1350

CAL YR 1979 TOTAL 1649460 MEAN 4519 MAX 41800 MIN 1400 MEAN† 5074 CFSM† 2.09 IN† 28.34

WTR YR 1980 TOTAL 1964300 MEAN 5367 MAX 25600 MIN 1350 MEAN† 5065 CFSM† 2.08 IN† 28.37

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to May 1972, July 1975 to current year.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: August 1975 to September 1976, November 1978 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 30.0°C Aug. 8, 1979; minimum, 4.5°C Feb. 8, 1979.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum, 28.5°C July 8; minimum, 5.0°C Mar. 3, 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
17...	0935	5130	7.0	21.5	15.0	8.2
NOV						
14...	1235	3630	7.0	11.0	13.0	7.9
DEC						
06...	1220	4900	6.7	13.0	10.0	9.0
JAN						
22...	1500	6690	6.9	12.0	11.0	8.8
APR						
16...	1305	13500	7.0	23.5	14.0	9.5
MAY						
07...	0800	3260	6.6	17.0	17.5	7.5
JUN						
04...	1050	4200	6.8	31.5	22.0	7.0
JUL						
08...	1315	3760	6.5	34.0	27.0	4.7
AUG						
07...	0740	3380	6.5	26.0	22.0	5.2
SEP						
02...	1350	2200	6.5	32.0	24.0	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
17...	53	23	2.4	4300	14	35	80	.53	.160	.050	1.0
NOV											
14...	81	28	3.0	9300	23	48	108	.76	.310	.330	<1.0
DEC											
06...	74	22	2.4	930	18	44	80	.66	.480	.440	<1.0
JAN											
22...	69	31	2.8	930	16	55	120	.65	.370	.170	3.0
APR											
16...	44	44	1.2	7500	11	69	114	.32	.130	.080	6.0
MAY											
07...	62	22	2.8	230	15	39	92	.68	.250	.180	<1.0
JUN											
04...	57	26	2.2	4300	15	52	100	.60	.140	.210	2.5
JUL											
08...	81	45	3.0	9300	17	96	154	.90	.360	.330	4.0
AUG											
07...	39	30	3.8	2300	12	44	92	.77	.320	.260	2.0
SEP											
02...	76	12	3.2	230	17	19	80	1.1	.550	.250	3.4

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	20.0	16.5	15.5	10.5	9.5	10.5	10.0	7.5	6.5	10.0	9.0
2	21.5	21.0	16.5	16.0	10.0	9.0	10.5	9.0	7.0	6.0	9.0	6.5
3	21.5	19.0	16.0	14.5	9.0	7.5	10.5	8.5	6.5	6.0	7.0	5.0
4	18.5	17.0	14.5	14.0	9.0	7.5	10.5	9.5	6.5	5.5	7.5	5.0
5	17.0	16.5	13.5	12.5	9.5	7.5	9.5	8.5	6.5	6.0	9.0	7.0
6	16.5	15.5	14.5	13.0	10.5	9.0	9.0	7.5	6.5	6.0	9.5	8.5
7	16.0	15.5	14.5	13.0	12.0	10.5	8.5	7.5	7.0	5.5	10.0	9.5
8	17.0	16.0	14.0	13.5	11.5	10.5	10.5	8.5	7.5	6.0	12.5	10.0
9	18.5	17.0	15.0	14.0	11.5	10.0	10.0	8.5	7.0	6.5	13.5	12.5
10	18.5	17.5	16.0	15.0	11.0	9.5	10.0	9.5	6.5	5.5	13.5	13.0
11	17.5	16.5	15.5	15.0	11.0	9.5	10.5	10.0	6.5	5.5	13.5	11.5
12	16.5	16.0	15.0	14.0	13.5	11.0	10.0	8.5	7.0	5.5	11.0	8.0
13	16.5	16.0	14.0	13.5	13.0	12.0	8.5	8.5	7.0	6.0	8.0	7.5
14	16.5	15.5	14.0	12.5	14.0	13.0	9.0	8.0	8.0	6.5	8.0	7.5
15	15.5	15.0	13.0	11.5	13.5	12.5	10.5	9.0	8.5	7.0	9.0	8.0
16	15.0	15.0	13.0	12.0	13.0	12.0	10.5	8.5	9.0	8.5	11.0	9.0
17	16.0	15.0	13.0	12.5	12.5	10.0	11.5	10.5	9.0	8.0	12.5	11.0
18	16.0	16.0	13.5	13.0	10.0	9.0	11.5	11.0	8.0	6.5	13.0	12.0
19	16.5	16.0	14.5	12.5	9.5	8.5	11.5	11.0	8.0	7.0	12.0	10.0
20	17.0	16.0	14.5	13.0	9.0	8.0	11.0	10.5	8.0	7.0	10.5	10.0
21	17.5	16.5	15.5	14.0	9.0	8.5	10.5	10.5	8.5	8.0	12.0	10.0
22	18.5	17.5	15.5	14.5	10.0	9.0	11.0	10.0	10.0	8.5	12.0	12.0
23	19.0	18.5	16.5	15.5	11.0	10.0	10.5	10.0	12.0	10.0	12.0	11.0
24	19.0	17.5	16.5	16.0	12.0	11.0	9.5	8.5	13.0	12.0	11.0	11.0
25	17.5	16.0	16.5	16.0	11.5	11.5	8.5	8.0	14.0	12.5	11.5	11.0
26	16.0	15.5	16.5	15.5	11.5	10.5	9.0	8.5	12.0	10.0	12.0	11.0
27	15.5	15.0	15.5	14.5	10.5	9.5	10.0	9.0	10.0	8.5	11.5	11.0
28	15.5	14.5	14.0	13.0	11.0	10.0	10.5	9.5	9.5	8.0	11.5	11.0
29	15.0	15.0	13.0	12.0	11.0	9.5	11.0	9.0	10.5	9.0	11.0	11.0
30	15.5	15.0	11.5	10.0	11.0	10.5	9.0	8.5	---	---	13.0	11.0
31	15.5	15.5	---	---	10.5	10.5	8.5	7.5	---	---	13.5	13.0
MONTH	21.5	14.5	16.5	10.0	14.0	7.5	11.5	7.5	14.0	5.5	13.5	5.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.5	12.5	14.0	12.5	19.5	17.0	25.5	22.5	25.5	23.5	23.0	20.0
2	13.0	12.0	14.5	13.0	22.0	19.5	22.0	17.5	25.0	21.0	24.5	22.5
3	12.5	12.0	14.5	13.0	23.5	21.5	20.5	17.5	22.0	20.0	24.0	23.0
4	14.0	12.0	16.0	13.5	22.5	21.0	20.0	17.5	25.5	22.0	22.5	20.0
5	13.5	12.0	18.5	16.0	22.5	20.5	22.0	17.5	27.5	24.5	23.0	21.5
6	13.0	11.5	19.5	18.0	22.0	20.5	25.5	22.0	27.5	24.0	23.5	21.0
7	13.0	12.0	19.5	18.5	22.0	20.0	27.0	24.5	24.5	22.0	22.0	20.0
8	13.0	12.0	19.5	17.5	22.5	20.0	28.5	26.0	25.0	22.0	25.5	22.0
9	14.0	12.5	19.5	17.5	23.0	22.0	25.5	23.0	22.0	20.5	27.5	24.5
10	14.0	12.5	18.0	15.5	22.5	21.0	24.0	22.0	23.0	20.5	27.5	22.0
11	13.0	12.0	17.0	14.0	22.5	20.0	25.0	22.0	26.0	23.0	24.0	20.5
12	13.0	12.5	19.5	17.0	20.5	18.5	23.0	21.5	27.5	25.0	24.0	21.5
13	14.0	12.5	20.0	15.5	21.0	19.0	22.5	18.5	27.5	21.0	25.0	21.5
14	15.5	14.0	15.0	13.5	20.5	19.0	27.5	22.5	22.5	20.5	24.0	21.5
15	14.5	12.5	15.5	13.5	---	---	24.0	22.5	23.0	20.5	26.0	24.0
16	13.0	12.0	16.0	14.0	---	---	27.0	23.0	22.0	21.0	27.5	22.5
17	13.0	12.0	15.5	14.5	---	---	27.5	23.0	21.5	20.5	26.5	22.0
18	13.0	12.0	19.0	14.5	---	---	27.0	23.5	24.5	21.5	21.0	19.5
19	13.5	12.5	19.5	19.0	---	---	28.0	24.0	25.0	23.5	20.0	19.0
20	14.0	12.5	20.0	17.0	---	---	26.5	24.0	25.0	20.5	21.0	19.5
21	15.0	13.0	18.5	17.0	---	---	28.5	25.5	22.0	20.5	20.5	19.5
22	15.0	13.5	17.5	17.0	---	---	28.0	26.5	22.0	21.0	23.0	19.5
23	15.5	13.5	18.0	15.5	---	---	28.0	26.0	22.0	20.5	24.0	22.5
24	15.5	14.0	19.0	16.5	---	---	27.0	24.0	22.0	20.0	24.0	22.0
25	15.5	14.0	18.5	16.5	22.0	21.0	25.5	23.0	24.5	21.5	22.0	20.0
26	15.5	14.0	21.5	18.5	21.0	19.0	25.0	22.5	25.5	23.0	22.0	20.0
27	15.5	14.0	22.0	20.5	20.0	17.5	24.5	22.5	24.5	21.0	20.5	19.0
28	15.5	14.5	20.5	16.5	20.0	17.0	26.5	24.5	23.0	20.5	19.0	18.0
29	14.5	13.0	18.5	16.5	21.0	17.0	27.0	25.0	23.0	19.5	18.0	18.0
30	13.5	12.5	18.5	16.0	24.5	21.0	26.5	24.0	20.0	19.0	18.0	17.0
31	---	---	18.5	16.5	---	---	26.5	23.0	21.0	18.5	---	---
MONTH	15.5	11.5	22.0	12.5	24.5	17.0	28.5	17.5	27.5	18.5	27.5	17.0
YEAR	28.5	5.0										

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, at bridge on U.S. Highway 27 at Franklin.
DRAINAGE AREA.--2,680 mi^2 (6,940 km^2), approximately.
PERIOD OF RECORD.--July 1975 to current year.
REMARKS.--Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Records of discharge for the calendar years 1928-31 and 1938-39 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT					
16...	1615	7.0	23.5	17.5	8.8
NOV					
14...	1120	7.1	11.5	13.0	9.0
DEC					
06...	1140	6.5	12.5	10.5	9.2
JAN					
22...	1230	6.8	14.5	11.5	9.2
APR					
16...	1215	6.9	20.0	14.0	8.4
MAY					
07...	0930	6.9	26.0	19.5	7.3
JUN					
04...	1145	6.9	31.0	25.0	6.0
JUL					
08...	1130	6.7	34.0	27.5	5.8
AUG					
07...	0645	6.6	24.5	28.0	4.9
SEP					
02...	1300	6.8	29.0	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
16...	70	9	1.5	430	17	33	84	.98	.130	.030	<1.0
NOV											
14...	75	28	1.5	3900	19	47	114	.76	.100	.200	ND
DEC											
06...	63	20	1.5	430	14	28	60	.67	.250	.240	<1.0
JAN											
22...	60	33	2.2	2300	12	54	116	.60	.160	.120	3.0
APR											
16...	40	68	1.2	930	10	129	176	.32	.040	.130	5.5
MAY											
07...	75	17	1.2	930	15	32	94	.92	.150	.140	<1.0
JUN											
04...	82	23	1.9	430	16	47	108	1.1	.250	.220	4.0
JUL											
08...	79	15	1.0	230	16	13	78	.98	.110	.170	3.0
AUG											
07...	45	30	2.0	230	15	45	104	1.0	.170	.340	3.0
SEP											
02...	65	10	.9	90	15	14	64	.98	.170	.160	1.7

02338660 NEW RIVER NEAR CORINTH, GA.

LOCATION.--Lat 33°14'07", long 84°59'16", Heard County, Hydrologic Unit 03130002, at bridge on State Highway 100, 1.7 mi (2.7 km) downstream of Caney Creek, 2.5 mi (4.0 km) west of Corinth, 3.9 mi (6.3 km) downstream of Mountain Creek, and 8.1 mi (13.0 km) upstream of Chattahoochee River.

DRAINAGE AREA.--127 mi2 (329 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 634.68 ft (193.450 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.92 ft (4.243 m) April 14, 1979 (discharge not determined); minimum discharge, 9.5 ft3/s (0.27 m3/s) Sept. 17, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft3/s (51.0 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 9	1000	2040	57.8	9.35	2.850
Mar. 13	1200	1980	56.1	9.29	2.832
Mar. 29	1100	2660	75.3	9.97	3.039
June 20	0900	*4230	120	11.28	3.438

Minimum discharge, 9.5 ft3/s (0.27 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	71	115	88	257	143	414	133	139	88	38	24
2	88	249	109	82	180	170	342	127	124	80	37	23
3	74	325	101	78	165	146	336	138	113	74	35	34
4	85	155	99	92	156	138	652	155	103	71	33	29
5	228	106	99	117	142	210	438	130	95	67	32	22
6	164	92	104	94	149	338	314	117	90	73	33	18
7	102	88	110	87	152	243	278	107	86	311	32	17
8	82	82	98	97	136	689	282	108	80	227	33	15
9	72	80	92	107	294	1650	342	129	73	107	34	14
10	71	124	90	99	692	620	270	106	72	85	33	13
11	71	258	88	133	584	382	230	97	66	73	32	13
12	67	321	89	308	342	467	231	93	62	64	32	14
13	62	207	89	207	266	1530	283	92	59	58	33	13
14	58	148	99	147	221	732	556	114	58	52	32	12
15	55	125	93	128	195	424	432	163	56	50	29	11
16	54	111	87	114	255	350	298	131	52	48	28	10
17	56	103	84	143	267	331	257	241	56	48	42	9.6
18	55	97	79	480	193	588	234	567	279	111	52	12
19	55	94	79	895	173	516	224	314	223	74	44	16
20	56	90	80	456	167	388	210	566	2800	61	54	17
21	58	87	79	293	163	535	190	1340	485	57	42	15
22	57	86	79	266	206	638	176	493	254	58	31	14
23	70	85	80	393	357	381	164	421	215	55	26	14
24	82	222	90	357	255	373	155	608	354	53	25	13
25	69	339	126	257	194	417	146	522	493	53	41	11
26	62	309	99	230	162	330	159	306	338	51	30	11
27	60	257	85	227	149	297	178	230	236	49	24	13
28	59	172	80	195	145	528	155	187	173	50	21	14
29	60	144	77	167	140	2010	145	268	118	48	20	49
30	71	125	95	154	---	920	139	201	104	44	19	201
31	77	---	103	240	---	720	---	157	---	40	19	---
TOTAL	2388	4752	2877	6731	6757	17204	8230	8361	7456	2380	1016	691.6
MEAN	77.0	158	92.8	217	233	555	274	270	249	76.8	32.8	23.1
MAX	228	339	126	895	692	2010	652	1340	2800	311	54	201
MIN	54	71	77	78	136	138	139	92	52	40	19	9.6
CFSM	.61	1.24	.73	1.71	1.84	4.37	2.16	2.13	1.96	.61	.26	.18
IN.	.70	1.39	.84	1.97	1.98	5.04	2.41	2.45	2.18	.70	.30	.20

CAL YR 1979 TOTAL 75410.0 MEAN 207 MAX 5960 MIN 18 CFSM 1.63 IN 22.09
WTR YR 1980 TOTAL 68843.6 MEAN 188 MAX 2800 MIN 9.6 CFSM 1.48 IN 20.17

02338660 NEW RIVER NEAR CORINTH, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: October 1978 to current year.
EXTREMES FOR PERIOD OF DAILY RECORDS.—
WATER TEMPERATURES: Maximum, 29.5°C Aug. 8, 1979, July 13, Aug. 10, 1980; minimum, 1.0°C Feb. 18, 1979.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum, 29.5°C July 13, Aug. 10; minimum, 1.5°C Feb. 2.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	19.5	18.5	17.5	5.5	3.5	8.5	6.5	5.0	3.0	11.0	8.0
2	21.0	19.0	17.5	15.5	5.0	4.0	6.5	4.5	3.5	1.5	7.5	3.5
3	19.5	17.0	15.0	13.0	4.5	3.0	7.0	5.0	4.5	2.5	5.5	2.0
4	18.0	16.0	13.0	11.0	4.5	2.5	7.5	7.0	5.0	3.5	8.0	4.0
5	16.0	15.0	11.5	9.5	5.5	3.5	7.0	5.0	4.0	3.0	11.0	8.0
6	15.5	14.0	12.0	10.0	8.0	5.5	5.0	3.5	4.5	3.5	12.0	8.5
7	16.5	14.5	12.5	10.5	8.5	7.5	6.0	4.0	5.0	3.0	11.5	10.0
8	16.5	14.0	11.5	10.0	7.5	6.0	8.5	6.5	5.5	4.0	15.0	12.0
9	17.5	15.0	14.0	11.0	7.0	5.5	9.5	8.5	5.5	5.5	15.5	14.5
10	17.5	15.5	15.5	14.0	7.0	5.0	9.5	9.5	6.5	5.0	15.5	12.5
11	15.5	13.5	15.0	13.5	8.5	6.0	9.5	9.0	6.0	4.0	14.0	12.0
12	16.0	13.0	13.5	13.0	11.5	8.5	9.5	7.5	6.0	4.0	13.0	8.0
13	17.0	14.5	14.0	12.5	12.5	11.0	7.5	7.0	6.0	5.0	8.0	7.5
14	15.0	13.0	12.0	10.5	12.5	11.5	8.0	6.5	7.0	4.0	11.0	7.5
15	14.0	11.5	10.0	8.0	11.5	9.5	10.0	8.0	8.5	5.5	12.0	8.0
16	14.0	11.5	10.0	8.0	10.0	9.0	10.0	8.5	10.0	8.0	13.5	11.0
17	16.0	13.5	10.5	8.5	10.0	6.5	11.0	10.0	7.5	5.0	14.0	13.5
18	16.5	14.5	10.5	9.0	6.0	4.0	13.5	11.0	6.0	3.5	14.5	12.0
19	17.5	15.0	11.0	9.0	5.0	3.5	12.5	10.5	8.0	5.0	13.0	10.0
20	18.0	15.5	12.0	10.0	6.0	4.0	11.0	9.0	9.0	8.0	15.0	12.5
21	19.0	17.0	12.5	10.5	6.5	5.0	10.5	10.0	10.5	8.5	16.5	14.5
22	19.5	17.5	14.0	12.0	7.5	6.5	11.0	10.0	12.5	10.5	15.0	11.5
23	19.0	16.5	16.0	14.0	10.0	7.5	11.0	8.0	15.5	12.0	13.5	11.0
24	16.5	13.5	16.0	15.0	11.0	10.0	8.0	6.0	15.0	13.0	15.0	13.0
25	14.0	12.0	15.5	15.0	10.5	8.5	8.0	7.0	14.5	11.5	15.5	12.0
26	13.5	11.0	15.5	13.5	9.0	8.0	9.0	8.0	11.0	7.5	15.0	13.5
27	13.5	11.0	13.0	11.0	8.0	6.5	9.5	9.0	8.5	5.5	15.5	13.0
28	13.5	11.0	11.5	10.5	8.0	6.5	9.5	8.5	11.0	7.0	15.0	12.0
29	14.0	13.0	10.0	7.0	9.0	7.5	9.0	7.5	12.0	10.0	13.0	12.0
30	16.0	14.0	7.0	5.0	9.5	9.0	8.0	7.0	---	---	15.5	13.5
31	18.0	16.0	---	---	9.5	8.5	8.0	5.5	---	---	16.5	13.0
MONTH	21.0	11.0	18.5	5.0	12.5	2.5	13.5	3.5	15.5	1.5	16.5	2.0

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	13.0	---	---	23.0	21.5	24.5	22.0	28.0	24.0	27.5	23.0
2	---	---	---	---	23.0	21.5	25.0	22.0	28.5	24.5	28.0	23.0
3	---	---	---	---	23.5	21.5	25.5	23.0	28.0	24.5	26.0	23.5
4	---	---	---	---	24.5	22.0	26.5	23.5	27.0	24.0	26.5	23.0
5	---	---	---	---	25.0	22.5	27.0	24.5	28.5	23.5	27.5	24.0
6	---	---	---	---	25.0	23.0	28.0	25.0	28.0	24.0	28.0	24.0
7	---	---	---	---	25.0	23.0	25.0	23.0	29.0	24.5	28.5	24.0
8	---	---	---	---	25.5	23.5	25.5	23.5	29.0	25.0	28.0	23.0
9	---	---	---	---	24.5	22.0	26.5	24.5	29.0	25.5	28.5	22.5
10	---	---	---	---	22.5	20.0	28.0	25.0	29.5	25.5	27.5	23.0
11	---	---	---	---	22.5	19.5	28.5	25.5	28.0	25.5	27.0	22.5
12	---	---	---	---	22.5	19.5	29.0	26.0	26.5	24.5	26.5	22.5
13	---	---	---	---	23.5	20.5	29.5	26.0	27.5	23.5	27.5	22.0
14	---	---	---	---	23.5	21.0	29.0	26.0	28.5	24.0	27.0	22.0
15	---	---	---	---	24.5	21.5	29.5	26.0	29.0	25.0	28.0	22.5
16	---	---	---	---	25.0	22.0	29.0	26.0	28.5	25.0	27.5	21.5
17	---	---	19.5	19.0	25.0	23.0	28.5	25.5	26.5	25.0	24.5	23.0
18	---	---	20.5	19.0	23.5	22.0	26.5	24.5	26.0	24.5	25.5	22.5
19	---	---	21.0	20.5	24.0	21.5	27.5	25.0	27.0	24.0	26.0	23.0
20	---	---	21.0	19.5	22.0	21.0	27.5	25.0	26.5	23.5	27.0	23.5
21	---	---	20.5	19.0	22.0	21.5	27.5	24.5	28.5	24.5	26.0	23.5
22	---	---	20.5	20.0	22.5	21.0	27.0	24.5	28.5	25.0	27.5	23.5
23	---	---	20.0	19.5	23.0	22.5	26.5	24.5	27.5	25.0	27.5	23.5
24	---	---	20.5	19.5	23.0	22.0	26.5	24.0	27.5	23.5	27.5	23.0
25	---	---	21.5	20.0	22.5	22.0	26.5	23.5	25.5	22.5	27.0	23.5
26	---	---	22.0	20.0	23.5	22.0	27.0	23.5	26.0	22.0	26.5	22.5
27	---	---	22.0	20.5	24.5	22.5	27.0	24.0	26.0	22.0	24.0	20.5
28	---	---	22.0	21.5	25.5	23.5	26.5	24.0	26.5	22.5	21.0	19.0
29	---	---	22.0	20.5	25.0	24.0	27.0	23.5	27.5	23.0	18.5	17.5
30	---	---	22.5	21.0	25.0	22.5	27.0	23.0	27.5	23.0	17.5	17.0
31	---	---	22.5	21.0	---	---	27.5	23.5	27.5	23.0	---	---
MONTH	17.5	13.0	22.5	19.0	25.5	19.5	29.5	22.0	29.5	22.0	28.5	17.0
YEAR	29.5	1.5										

02338720 CHATTAHOOCHEE RIVER NEAR LA GRANGE, GA.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, at La Grange waterworks intake, 1.2 mi (1.9 km) upstream from Yellowjacket Creek, and 5.3 mi (8.5 km) northwest of La Grange.
DRAINAGE AREA.--3,010 mi2 (7,800 km2), approximately.
PERIOD OF RECORD.--July 1974 to current year.
REMARKS.--Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 16...	1330	6.8	24.0	20.0	8.7
NOV 14...	1015	7.0	10.0	14.0	7.2
DEC 06...	1045	6.6	12.5	10.0	8.5
JAN 22...	1130	6.6	14.5	12.0	7.7
MAR 11...	1200	6.5	16.0	14.0	10.1
APR 16...	1115	6.8	18.0	15.5	7.6
MAY 07...	1030	8.0	24.5	22.0	8.5
JUN 04...	1230	7.6	33.0	29.0	8.1
JUL 08...	1000	8.6	30.0	29.5	7.9
AUG 06...	1630	9.0	27.5	33.0	10.4
SEP 02...	1205	8.7	26.0	--	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 16...	68	9	1.4	<30	15	<1	.73	.090	<.020	2.0
NOV 14...	68	15	1.3	<30	16	50	.68	.170	.200	<1.0
DEC 06...	66	17	.8	430	16	18	.59	.180	.060	<1.0
JAN 22...	48	64	1.9	1500	11	70	.35	.230	.120	4.0
MAR 11...	47	200	2.2	7500	9	147	.31	.140	.270	7.0
APR 16...	44	108	1.0	4300	11	90	.37	.080	.170	5.5
MAY 07...	47	6	3.3	<30	13	8	.12	<.020	.020	2.5
JUN 04...	46	12	2.8	<30	13	11	.03	.020	.070	4.0
JUL 08...	57	5	2.3	230	15	3	.18	.020	.050	4.0
AUG 06...	42	16	2.6	--	17	9	.20	.020	.070	4.2
SEP 02...	62	5	3.3	<30	20	2	.30	.050	.030	3.4

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.

LOCATION.--Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 0.7 mi (1.1 km) downstream of Flat Creek, 5.8 mi (9.3 km) southwest of Hogansville, and 6.9 mi (11.1 km) upstream of Beech Creek.
DRAINAGE AREA.--91.0 mi^2 (236 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.
GAGE.--Water-stage recorder. Datum of gage is 640.93 ft (195.355 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Records good. Some diurnal fluctuation at low flow.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,070 ft^3/s (58.6 m^3/s) Apr. 5, 1979, gage height, 8.31 ft (2.533 m); minimum daily discharge, 9.2 ft^3/s (0.26 m^3/s) Oct. 9, 10, 12, 13, 16, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34.0 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 9	1100	*1930	54.7	8.28	2.524
Mar. 13	1700	1200	34.0	7.35	2.240
Mar. 29	1600	1260	35.7	7.59	2.313

Minimum daily discharge, 11 ft^3/s (0.31 m^3/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	48	79	68	174	91	325	91	106	65	27	20
2	98	88	74	65	132	98	229	87	95	57	25	20
3	78	92	69	62	116	92	217	87	84	52	24	21
4	101	63	66	69	105	86	472	92	77	48	23	21
5	267	56	66	79	95	117	346	87	70	44	22	19
6	156	53	70	69	96	167	209	82	65	44	23	18
7	96	52	78	65	96	152	177	77	60	77	24	17
8	77	51	70	70	88	818	180	77	56	65	26	15
9	68	50	65	76	262	1480	216	82	52	51	22	15
10	63	86	63	73	698	539	169	77	50	45	20	14
11	61	158	62	94	484	270	144	71	47	41	20	14
12	57	154	67	134	238	428	140	69	45	39	20	14
13	54	103	66	104	175	1060	224	68	43	38	22	14
14	51	81	73	90	144	657	585	76	41	35	25	13
15	48	72	70	84	126	316	362	120	40	34	36	13
16	48	66	65	78	151	219	211	94	39	33	40	13
17	47	64	62	88	148	216	173	210	39	35	27	12
18	46	60	59	264	120	488	152	370	82	42	39	13
19	46	59	59	247	108	378	157	171	98	43	38	14
20	46	57	59	164	105	254	146	718	641	39	32	14
21	46	56	58	132	102	346	132	963	484	38	29	14
22	45	56	58	140	116	285	120	370	186	35	26	13
23	52	58	59	262	203	199	110	313	123	33	23	13
24	55	132	67	201	167	215	103	455	196	33	33	12
25	49	198	86	151	136	245	98	363	487	34	34	12
26	46	216	74	143	111	184	109	225	250	35	23	12
27	45	171	65	156	99	168	125	153	143	34	20	11
28	44	121	65	130	95	444	106	190	107	35	19	12
29	45	100	63	109	92	1130	98	426	88	33	18	24
30	48	87	72	101	---	799	94	178	78	31	20	168
31	50	---	76	166	---	570	---	129	---	29	25	---
TOTAL	2175	2708	2085	3734	4782	12511	5929	6571	3972	1297	805	605
MEAN	70.2	90.3	67.3	120	165	404	198	212	132	41.8	26.0	20.2
MAX	267	216	86	264	698	1480	585	963	641	77	40	168
MIN	44	48	58	62	88	86	94	68	39	29	18	11
CFSM	.77	.99	.74	1.32	1.81	4.44	2.18	2.33	1.45	.46	.29	.22
IN.	.89	1.11	.85	1.53	1.95	5.11	2.42	2.69	1.62	.53	.33	.25

CAL YR 1979 TOTAL 50543 MEAN 138 MAX 1690 MIN 16 CFSM 1.52 IN 20.66
WTR YR 1980 TOTAL 47174 MEAN 129 MAX 1480 MIN 11 CFSM 1.42 IN 19.28

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: November 1978 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 33.5°C July 13, 1980; minimum, 0.5°C Feb. 18, 1979.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum, 33.5°C July 13; minimum, 2.0°C Mar. 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.0	20.0	18.5	17.5	---	---	8.0	6.0	---	---	11.0	8.0
2	22.5	19.5	18.0	16.5	---	---	8.0	4.0	---	---	8.0	4.0
3	21.0	17.0	16.5	15.5	---	---	8.5	4.5	---	---	8.5	2.0
4	19.0	18.0	15.5	14.5	---	---	8.0	7.0	---	---	10.0	3.5
5	18.0	15.5	15.0	14.0	---	---	7.5	5.0	5.5	3.0	11.5	8.0
6	18.0	14.5	15.0	12.5	---	---	6.5	3.5	6.0	4.5	13.5	8.0
7	18.5	15.5	14.0	10.0	---	---	7.0	4.0	7.5	3.0	12.5	9.5
8	19.0	16.0	13.5	9.5	---	---	9.0	7.5	7.0	3.5	14.5	12.5
9	20.0	15.5	14.5	11.0	---	---	10.5	8.5	6.5	5.5	16.0	14.5
10	18.5	16.5	15.5	14.0	---	---	10.0	9.0	7.0	5.5	16.0	12.5
11	17.5	14.5	14.5	14.5	---	---	10.0	9.0	7.0	4.5	15.0	12.0
12	18.0	15.0	15.0	14.5	---	---	9.5	8.0	7.5	4.5	12.5	8.5
13	18.0	16.0	15.0	14.5	---	---	8.0	7.0	7.5	5.0	8.5	8.0
14	17.5	15.5	14.0	10.5	---	---	9.5	7.0	9.0	4.0	11.5	7.5
15	16.5	14.5	10.5	8.5	---	---	11.0	8.0	10.0	5.5	13.0	8.0
16	16.5	14.5	---	---	---	---	11.0	7.5	10.0	7.5	14.0	10.0
17	17.5	16.0	---	---	---	---	11.0	10.5	9.0	5.0	14.5	12.5
18	18.0	15.5	---	---	---	---	11.5	11.0	8.5	3.5	15.0	12.0
19	18.0	16.5	---	---	---	---	11.5	10.5	10.0	5.0	14.0	10.5
20	18.5	16.5	---	---	7.5	4.0	11.5	9.5	10.0	8.0	16.0	12.0
21	19.0	17.5	---	---	7.0	4.5	11.0	10.0	11.5	9.0	17.0	14.0
22	19.0	17.5	---	---	8.0	6.5	11.0	10.5	13.0	11.0	16.0	11.5
23	19.0	17.0	---	---	11.0	7.5	---	---	16.0	12.0	14.5	10.5
24	17.0	14.5	---	---	11.5	9.5	---	---	16.5	12.0	15.5	12.5
25	16.0	13.5	---	---	9.5	8.5	---	---	15.5	11.0	16.5	12.0
26	16.0	14.0	---	---	10.0	8.0	---	---	11.0	7.0	14.0	13.0
27	16.0	13.0	---	---	9.5	5.5	---	---	11.0	5.5	16.5	12.5
28	16.0	12.5	---	---	9.5	6.0	---	---	13.0	6.5	14.5	12.5
29	15.5	13.5	---	---	10.0	7.5	---	---	14.0	9.0	13.0	12.0
30	18.0	15.0	---	---	10.0	9.0	---	---	---	---	15.5	13.0
31	18.5	16.0	---	---	9.0	8.5	---	---	---	---	16.5	13.0
MONTH	23.0	12.5	18.5	8.5	11.5	4.0	11.5	3.5	16.5	3.0	17.0	2.0

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.0	13.0	---	---	25.5	20.0	28.5	21.0	31.5	23.5	31.0	22.0
2	15.5	14.0	---	---	26.0	20.0	29.0	21.5	32.5	23.5	32.0	22.5
3	18.0	14.5	---	---	27.0	20.5	29.0	22.5	32.0	23.0	30.0	23.0
4	19.5	16.5	---	---	27.5	21.0	30.5	23.0	30.5	23.0	31.0	22.5
5	18.0	14.5	---	---	28.5	21.5	30.5	24.0	31.0	22.5	31.5	23.5
6	17.5	12.5	---	---	28.0	22.0	31.5	24.5	31.0	23.5	31.0	23.5
7	17.0	14.0	---	---	28.5	22.0	29.5	23.0	32.0	23.5	31.5	23.0
8	18.0	15.5	---	---	29.0	22.5	30.5	23.0	32.5	24.0	31.0	22.0
9	19.5	15.0	---	---	27.5	21.0	30.5	24.0	33.0	24.5	31.0	22.0
10	19.0	13.5	---	---	27.0	18.5	32.0	24.5	32.5	25.0	30.0	22.5
11	19.0	13.0	---	---	26.5	18.5	32.5	25.0	31.5	25.0	29.0	21.5
12	16.5	15.5	---	---	27.0	19.0	33.0	25.5	29.0	24.0	30.5	21.5
13	16.0	15.0	---	---	27.5	20.0	33.5	25.0	31.5	23.0	30.5	21.5
14	16.0	13.5	---	---	27.5	20.0	32.5	25.5	33.0	23.5	30.0	20.5
15	16.5	12.5	22.5	17.5	28.5	20.5	33.0	25.5	32.0	24.0	31.5	22.0
16	18.0	12.0	20.5	19.5	29.0	21.5	32.5	25.0	31.0	24.5	31.0	20.5
17	18.5	12.5	19.5	19.5	28.0	22.0	32.5	24.5	29.0	24.5	25.5	23.0
18	16.5	13.5	22.0	19.0	27.0	22.5	31.0	24.5	28.0	24.0	28.5	22.0
19	17.5	14.5	22.5	20.0	27.0	22.0	30.5	25.0	29.5	23.5	29.5	23.0
20	19.0	13.0	20.5	19.0	23.5	22.0	30.0	24.5	31.0	23.5	29.5	23.5
21	19.5	14.0	21.0	19.0	23.0	22.0	30.0	24.0	32.5	24.5	28.0	22.5
22	---	---	20.0	19.0	25.0	21.0	31.5	23.5	32.0	24.5	31.5	23.0
23	---	---	21.0	18.5	24.0	22.0	29.0	24.0	29.5	24.0	30.0	22.5
24	---	---	21.5	19.5	24.5	22.0	29.0	24.0	30.5	22.5	28.5	22.0
25	---	---	22.5	19.0	23.0	22.0	28.5	23.0	29.0	21.5	30.0	22.5
26	---	---	23.5	19.0	24.5	21.5	30.5	22.5	29.5	21.5	29.5	22.0
27	---	---	24.5	19.5	27.0	22.0	29.5	23.5	29.5	21.0	27.5	18.5
28	---	---	24.5	20.0	29.0	22.5	29.5	23.5	29.5	22.0	20.5	18.5
29	---	---	22.5	19.5	26.5	23.5	31.0	22.5	30.0	23.0	18.5	17.5
30	---	---	24.0	19.5	28.5	22.0	31.0	22.0	31.5	22.0	18.0	17.0
31	---	---	25.0	19.5	---	---	32.0	22.5	30.5	22.0	---	---
MONTH	19.5	12.0	25.0	17.5	29.0	18.5	33.5	21.0	33.0	21.0	32.0	17.0
YEAR	33.5	2.0										

02339225 WEHADKEE CREEK BELOW ROCK MILLS, ALA.

LOCATION.--Lat 33°07'20", long 85°14'57", Randolph County, Hydrologic Unit 03130002, on left bank 50 ft (15 m) downstream of bridge on county road, 0.7 mi (1.1 km) downstream from Little Wehadkee Creek, 2.1 mi (3.4 km) upstream from Guss Creek, and 3.5 mi (5.6 km) southeast of Rock Mills.

DRAINAGE AREA.--60.2 mi^2 (156 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 647.21 ft (197.270 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some diurnal fluctuation at low flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,400 ft^3/s (125 m^3/s) Apr. 13, 1979, gage height, 12.45 ft (3.795 m); minimum daily discharge, 7.2 ft^3/s (0.20 m^3/s) Oct. 13, 14, 18, 19, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s (28.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 18	2045	*1830	51.8	10.25	3.124
Mar. 8	2245	1250	35.4	9.31	2.838
Mar. 13	0115	1260	35.7	9.32	2.841
Mar. 28	2330	1650	46.7	10.06	3.066

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 14	0800	1450	41.1	9.69	2.954
May 20	2000	1340	37.9	9.44	2.877
May 23	0645	1150	32.6	9.04	2.755

Minimum daily discharge, 12 ft^3/s (0.34 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	42	66	43	115	92	240	93	100	49	23	33
2	57	621	63	41	97	101	202	90	94	47	23	26
3	49	189	58	41	92	83	187	92	89	44	21	23
4	67	93	58	60	86	81	412	95	87	43	20	21
5	99	73	57	53	80	154	210	86	80	42	20	19
6	59	63	62	49	82	131	176	81	78	40	20	18
7	50	60	58	50	77	121	158	78	76	43	18	17
8	44	52	53	64	73	850	179	79	72	39	18	16
9	41	52	51	60	344	596	181	78	67	37	18	15
10	43	80	50	52	481	233	140	73	64	35	17	15
11	42	146	50	90	209	172	128	71	62	34	15	15
12	37	130	50	134	149	480	144	68	59	32	15	16
13	36	87	51	80	123	698	259	68	58	31	20	15
14	33	73	56	69	107	268	896	93	57	29	25	14
15	32	65	50	63	101	199	270	115	56	29	40	13
16	32	61	49	58	141	169	202	81	53	29	30	12
17	33	58	46	96	110	200	171	180	65	32	23	14
18	31	55	44	961	96	373	154	454	161	141	28	18
19	31	53	46	558	92	210	149	128	79	47	35	17
20	32	51	44	199	91	223	136	697	66	40	42	17
21	31	50	44	144	87	486	127	367	61	40	33	16
22	31	49	44	169	200	253	120	364	66	34	28	15
23	44	54	44	347	252	192	114	890	73	33	24	14
24	39	203	53	179	146	238	109	442	96	34	24	13
25	34	138	52	138	114	206	104	336	120	33	28	14
26	31	170	46	128	98	165	138	249	75	32	24	14
27	31	107	44	125	92	160	120	169	62	30	21	13
28	27	88	42	106	88	690	107	140	56	30	19	13
29	32	77	43	95	84	805	101	127	54	29	19	40
30	37	70	49	89	---	572	96	116	55	26	27	289
31	34	---	45	155	---	321	---	107	---	24	58	---
TOTAL	1288	3110	1568	4496	3907	9522	5730	6107	2241	1208	776	795
MEAN	41.5	104	50.6	145	135	307	191	197	74.7	39.0	25.0	26.5
MAX	99	621	66	961	481	850	896	890	161	141	58	289
MIN	27	42	42	41	73	81	96	68	53	24	15	12
CFSM	.69	1.73	.84	2.41	2.24	5.10	3.17	3.27	1.24	.65	.42	.44
IN.	.80	1.92	.97	2.78	2.41	5.88	3.54	3.77	1.38	.75	.48	.49

CAL YR 1979 TOTAL 38372 MEAN 105 MAX 1900 MIN 13 CFSM 1.74 IN 23.71
WTR YR 1980 TOTAL 40748 MEAN 111 MAX 961 MIN 12 CFSM 1.84 IN 25.18

02339225 WEHADKEE CREEK BELOW ROCK MILLS, ALA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: December 1978 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 29.0°C July 12, 13, 1980; minimum, 1.0°C Feb. 2, 1979.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 29.0°C July 12, 13; minimum, 2.0°C Mar. 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.5	19.0	17.0	16.5					---	---	10.5	8.5
2	20.5	19.0	16.5	15.5					---	---	8.0	3.5
3	19.0	17.5	---	---					---	---	6.5	2.0
4	18.5	17.0	---	---					---	---	8.5	3.5
5	16.5	15.5	---	---					5.0	3.0	10.5	8.0
6	16.0	14.0	---	---					5.5	4.5	12.5	8.5
7	16.0	14.5	---	---					6.0	3.5	11.5	10.0
8	16.5	14.5	---	---					6.0	4.0	15.5	11.5
9	17.0	15.0	---	---					6.0	5.5	15.5	13.5
10	17.0	16.0	---	---					7.5	6.0	15.0	12.0
11	15.5	14.0	---	---					7.0	5.0	13.5	11.5
12	15.5	13.5	---	---					7.0	4.5	12.0	8.0
13	16.0	14.5	---	---					7.0	5.5	9.0	8.0
14	15.5	13.5	---	---					8.0	4.0	11.5	8.5
15	14.0	12.0	---	---					9.5	5.5	12.0	8.5
16	14.0	12.5	---	---					10.0	8.0	13.5	10.5
17	15.5	13.5	---	---					7.5	5.0	14.0	13.0
18	15.5	14.5	---	---					7.0	3.0	14.5	11.5
19	16.5	15.0	---	---					8.5	5.0	12.5	10.0
20	17.0	15.5	---	---					9.5	8.0	15.0	12.5
21	18.0	16.5	---	---					11.0	9.0	15.5	14.0
22	18.0	17.0	---	---					13.0	11.0	14.0	10.5
23	18.0	16.5	---	---					15.5	13.0	13.0	10.5
24	16.0	13.5	---	---					15.0	12.5	14.5	12.5
25	14.0	12.0	---	---					14.0	11.0	15.0	12.0
26	13.5	11.5	---	---					10.5	7.0	14.0	13.0
27	13.0	11.0	---	---					9.5	5.5	15.0	12.5
28	13.0	11.0	---	---					11.5	6.5	14.5	12.5
29	13.5	12.5	---	---					12.5	9.5	14.0	12.5
30	15.5	13.5	---	---					---	---	15.5	14.0
31	16.5	15.5	---	---					---	---	16.0	12.5
MONTH	20.5	11.0	17.0	15.5					15.5	3.0	16.0	2.0

02339225 WEHADKEE CREEK BELOW ROCK MILLS, ALA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	16.5	12.5	18.0	15.5	23.0	20.5	25.0	21.0	26.0	23.5	24.5	22.0
2	15.5	14.0	18.0	15.0	22.5	20.5	25.5	21.5	26.0	24.0	25.0	22.5
3	17.0	14.5	17.5	16.0	23.5	20.5	25.5	22.5	25.5	23.0	25.0	23.0
4	19.0	16.5	18.5	16.0	24.5	21.0	26.0	23.0	25.0	23.0	24.5	22.5
5	16.5	14.0	19.5	16.0	24.5	21.5	26.5	23.5	25.0	22.5	25.0	23.0
6	15.5	12.5	20.0	16.5	24.5	22.0	27.0	24.0	25.5	23.5	25.0	23.5
7	16.5	14.5	20.0	16.5	25.0	22.0	26.5	23.5	26.0	24.0	25.5	24.0
8	17.5	16.0	19.5	18.5	25.5	22.5	26.5	22.5	26.0	24.0	25.0	22.5
9	18.0	14.5	19.5	17.0	23.5	21.5	26.5	23.5	26.5	24.0	25.0	22.0
10	17.5	13.5	19.0	15.5	22.5	19.0	27.5	24.5	26.5	24.5	25.0	23.0
11	17.0	13.5	20.0	15.5	22.5	18.5	28.0	25.0	26.0	24.5	24.5	23.0
12	16.0	15.5	21.0	17.0	23.0	19.0	29.0	26.0	25.5	24.0	25.0	22.5
13	16.0	15.0	19.5	19.0	23.5	20.0	29.0	25.5	26.0	23.0	25.0	23.0
14	16.0	13.0	19.0	18.5	23.0	20.0	28.5	26.0	26.0	23.0	24.5	22.5
15	15.5	12.0	20.0	17.5	24.0	20.5	28.0	26.0	26.5	24.0	25.0	23.0
16	16.0	12.5	19.5	19.0	25.0	21.5	27.5	25.5	25.5	23.5	24.0	22.0
17	16.5	13.0	19.5	19.0	24.0	22.0	27.5	24.5	25.5	24.0	24.5	23.0
18	16.5	14.0	21.0	19.5	23.5	22.0	25.5	23.5	25.5	24.0	25.0	23.0
19	17.0	15.5	21.0	20.5	24.5	22.0	26.5	24.5	25.0	23.5	25.5	24.5
20	17.5	14.0	21.0	19.5	25.0	22.5	26.5	24.5	26.0	23.0	27.0	24.5
21	18.0	14.5	21.0	19.0	23.5	22.0	26.0	24.0	26.5	23.5	26.0	24.0
22	19.5	15.5	20.5	19.5	22.5	21.0	26.0	24.0	26.5	24.0	24.0	22.0
23	20.5	16.0	20.5	19.0	22.0	21.5	25.5	24.0	25.0	24.0	23.0	22.0
24	21.0	17.5	21.0	19.5	23.0	22.0	25.0	23.5	24.5	22.5	23.5	21.0
25	20.5	17.5	20.5	19.0	23.5	22.0	25.0	23.0	24.5	22.0	23.5	22.0
26	19.5	18.5	21.5	19.5	24.0	22.0	25.5	22.5	24.0	21.5	22.0	21.0
27	18.5	16.0	21.0	19.5	25.5	22.0	25.0	23.0	24.0	21.5	21.0	19.0
28	17.0	15.0	21.5	20.5	25.5	22.5	25.0	23.5	24.0	21.5	20.0	18.0
29	17.0	15.5	22.0	19.5	24.5	23.0	25.5	22.5	24.5	22.5	18.0	17.0
30	17.5	14.5	22.0	19.5	25.0	22.0	25.5	22.0	24.5	22.0	17.0	16.5
31	---	---	22.5	20.0	---	---	26.0	23.0	24.0	21.5	---	---
MONTH	21.0	12.0	22.5	15.0	25.5	18.5	29.0	21.0	26.5	21.5	27.0	16.5
YEAR	29.0	2.0										

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1 mi (1.6 km) upstream from bridge on U.S. Highway 29, 2.5 mi (4.0 km) downstream from West Point Dam and at mile 198.9 (320.0 km).

DRAINAGE AREA.--3,550 mi2 (9,190 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1896 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at site 0.8 mi (1.3 km) downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft (168.149 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi (1.3 km) downstream at datum 2.83 ft (0.863 m) lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft (152 m) upstream at present datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400 and 02339400.)

AVERAGE DISCHARGE.--84 years, 5,672 ft3/s (161 m3/s), 21.70 in/yr (557 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 134,000 ft3/s (3,790 m3/s) Dec. 10, 1919, gage height, 30.0 ft (9.14 m) at site then in use; 29.25 ft (8.92 m) at present site, from floodmarks, from rating curve extended above 80,000 ft3/s (2,270 m3/s) on basis of computation of peak flow over Langdale Dam; minimum, 224 ft3/s (6.34 m3/s) Sept. 12, 1925, gage height, 1.64 ft (0.500 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft (7.80 m) at former site and datum, from floodmark, by National Weather Service, discharge, 92,800 ft3/s (2,620 m3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,500 ft3/s (722 m3/s) Mar. 8, gage height, 12.83 ft (3.910 m); minimum daily, 770 ft3/s (21.8 m3/s) Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7030	3400	9150	976	10000	970	17300	8620	932	8860	6510	7580
2	7060	3640	9340	7580	9990	6510	17300	9900	7800	8910	798	7840
3	5970	1300	6450	7040	9960	8650	17500	7520	7080	7280	792	7910
4	6970	923	6090	7800	9990	8610	18000	6830	7230	7310	8580	5860
5	7120	8930	6170	988	10100	8740	11200	6990	7330	844	8670	6750
6	842	9100	6110	964	10100	5750	9380	7010	3650	1560	9880	1100
7	800	9010	6120	4410	10100	8390	10900	7010	872	3530	10800	1100
8	5790	9030	865	4500	10200	13800	16900	5840	869	3530	10900	6980
9	7780	9150	825	4730	4960	20500	14700	5780	4790	3500	1010	7400
10	7870	5230	7020	4610	4270	16000	9310	3730	4780	5420	794	7210
11	7750	5270	7150	4370	9700	16000	10100	2770	4760	7620	6510	7460
12	7930	10900	7160	1030	10800	16200	17100	5420	4720	1920	6660	7270
13	816	10900	7360	998	10800	18000	17500	5500	4720	4890	5510	1060
14	781	10900	7520	8340	10900	17800	18300	5470	848	4010	6650	1050
15	8020	10900	862	8730	10800	17800	17600	8100	847	3860	6750	5330
16	8190	11000	828	8480	1090	17900	17300	6450	4700	4010	849	5370
17	8170	5280	4530	8720	1020	17900	17200	16800	4730	3720	810	5090
18	8110	5250	4500	8690	970	18100	10900	16400	4750	4070	7800	3150
19	8190	11200	3710	10500	6060	18000	9010	8280	4770	859	8020	3140
20	946	11300	3760	10100	9080	18300	9270	11400	4710	826	7920	1040
21	792	11400	3790	10100	9340	18400	9080	19700	853	4660	8060	1040
22	3980	11400	801	10100	9330	18200	9070	21300	849	4650	8050	5210
23	3990	8460	795	6330	6320	18100	9010	23800	4350	4700	793	5670
24	4030	4370	808	10100	6830	18500	9000	22300	6490	4690	770	5250
25	4080	1150	823	9970	8460	18400	8990	21000	9180	4690	7090	4210
26	4030	9970	5490	9990	7970	18700	7660	18100	11000	831	1170	4280
27	810	9850	5500	10000	8340	17100	7690	15900	11000	814	7700	1000
28	781	9900	5440	9660	8460	14600	7460	9120	9050	5940	7870	1010
29	5350	9920	940	10400	8490	18300	7390	9090	8830	6020	7930	4180
30	3320	8700	928	10000	---	17200	8650	9050	8800	6000	1160	4250
31	3360	---	952	10000	---	17100	---	990	---	6000	1130	---
TOTAL	150658	237733	131787	220206	234430	468520	370770	326170	155290	135524	167936	135790
MEAN	4860	7924	4251	7103	8084	15110	12360	10520	5176	4372	5417	4526
MAX	8190	11400	9340	10500	10900	20500	18300	23800	11000	8910	10900	7910
MIN	781	923	795	964	970	970	7390	990	847	814	770	1000

CAL YR 1979 TOTAL 2303608 MEAN 6311 MAX 40700 MIN 750 MEAN† 6885 CFSM† 1.94 IN† 26.33
WTR YR 1980 TOTAL 2734814 MEAN 7472 MAX 23800 MIN 770 MEAN† 6822 CFSM† 1.92 IN† 26.16

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER AND WEST POINT LAKE.

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.11	3.37	6.21	2.08	6.55	2.14	9.90	5.90	2.14	6.02	4.87	5.41
2	5.13	3.53	6.27	5.38	6.52	4.91	9.91	6.49	5.50	6.04	2.03	5.51
3	4.60	2.41	5.05	5.14	6.51	5.90	10.00	5.39	5.17	5.26	2.02	5.54
4	5.07	2.14	4.87	5.54	6.53	5.89	10.20	5.03	5.24	5.26	5.87	4.59
5	5.15	6.10	4.89	2.12	6.56	5.94	7.21	5.16	5.28	2.07	5.91	5.00
6	2.07	6.19	4.87	2.09	6.57	4.50	6.34	5.21	3.53	2.48	6.47	2.28
7	2.03	6.15	4.87	3.82	6.59	5.80	7.02	5.20	2.09	3.45	6.93	2.28
8	4.59	6.16	2.06	3.88	6.60	7.95	9.76	4.65	2.09	3.47	6.99	5.10
9	5.55	6.21	2.03	4.03	4.17	11.10	8.81	4.62	4.05	3.43	2.15	5.29
10	5.59	4.35	5.14	3.96	3.85	9.32	6.28	3.66	4.05	4.40	2.02	5.20
11	5.54	4.37	5.21	3.86	6.40	9.24	6.67	3.18	4.03	5.43	4.88	5.30
12	5.62	7.02	5.22	2.15	6.88	---	9.84	4.44	4.02	2.66	4.95	5.22
13	2.04	6.98	5.30	2.12	6.86	---	10.00	4.48	4.02	4.11	4.40	2.25
14	2.01	6.98	5.39	5.75	6.89	---	10.31	4.47	2.07	3.67	4.93	2.24
15	5.65	6.99	2.05	5.90	6.88	---	10.03	5.70	2.07	3.59	4.99	4.32
16	5.75	7.01	2.01	5.82	2.22	---	9.91	4.83	4.00	3.67	2.07	4.35
17	5.74	4.29	3.96	5.96	2.17	---	9.89	9.73	4.02	3.54	2.04	4.23
18	6.75	4.28	3.91	5.95	2.14	---	7.07	9.53	4.04	3.70	5.50	3.29
19	5.75	7.14	3.53	6.76	4.63	---	6.13	5.75	4.06	2.08	5.69	3.29
20	2.12	7.18	3.56	6.56	6.08	---	6.26	7.17	4.02	2.05	5.63	2.23
21	2.02	7.22	3.55	6.56	6.22	---	6.16	10.85	2.08	3.98	5.59	2.23
22	3.63	7.24	1.98	6.55	6.23	---	6.10	11.42	2.07	3.97	5.67	4.28
23	3.65	5.86	1.97	4.80	4.91	---	6.08	12.28	3.84	4.00	2.02	4.48
24	3.68	3.84	1.98	6.57	5.10	---	6.07	11.78	4.86	3.99	2.00	4.29
25	3.68	2.32	2.00	6.52	5.81	---	6.07	11.35	6.16	4.00	5.16	3.80
26	3.66	6.58	4.39	6.53	5.61	---	5.52	10.23	7.06	2.06	2.34	3.82
27	2.03	6.54	4.38	6.54	5.76	---	5.54	9.31	7.07	2.04	5.47	2.20
28	2.01	6.57	4.35	6.40	5.81	---	5.35	6.14	6.14	4.59	5.56	2.21
29	4.37	6.58	2.09	6.74	5.83	---	5.31	6.12	6.02	4.64	5.58	3.78
30	3.31	5.99	2.08	6.54	---	---	5.91	6.10	6.00	4.63	2.33	3.82
31	3.34	---	2.10	6.53	---	---	---	2.19	---	4.63	2.30	---
MEAN	4.10	5.59	3.78	5.13	5.62	---	7.66	6.72	4.23	3.84	4.33	3.93
MAX	6.75	7.24	6.27	6.76	6.89	---	10.31	12.28	7.07	6.04	6.99	5.54
MIN	2.01	2.14	1.97	2.08	2.14	---	5.31	2.19	2.07	2.04	2.00	2.20

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
16...	1230	6980	6.7	23.0	20.0	7.6
NOV						
14...	0935	14900	7.1	6.5	15.5	7.4
DEC						
06...	0915	8620	6.4	11.0	11.0	8.0
JAN						
22...	1000	14900	6.9	13.0	10.0	9.0
APR						
16...	1000	17200	6.9	17.5	14.0	8.4
MAY						
07...	1135	1330	6.7	26.0	18.5	8.2
JUN						
04...	1320	13800	6.4	34.0	21.0	5.2
JUL						
08...	0855	836	6.8	28.5	25.5	6.9
AUG						
06...	1515	16100	6.7	37.5	27.5	3.5
SEP						
02...	0940	1130	6.9	20.5	23.0	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
16...	67	5	.8	40	16	.53	.060	<.020	1930	150	2.0
NOV											
14...	66	8	1.2	90	17	.60	.070	.020	800	90	<1.0
DEC											
06...	66	10	.2	<30	15	.54	.160	.050	1260	170	<1.0
JAN											
22...	70	8	1.4	40	17	.70	.250	.090	970	260	3.0
APR											
16...	43	20	.3	230	12	.30	.050	.030	760	120	3.5
MAY											
07...	50	10	.4	40	18	.23	.040	<.020	720	140	<1.0
JUN											
04...	45	19	.9	<35	11	.30	.120	.040	400	100	2.5
JUL											
08...	60	8	1.1	230	21	.14	.060	.020	610	180	2.0
AUG											
06...	35	16	1.3	--	18	.04	.300	.040	820	490	3.5
SEP											
02...	63	5	1.2	70	19	.93	.080	.020	450	210	2.0

02339550 CHATTAHOOCHEE RIVER AT LANETT, ALA.

LOCATION.--Lat 32°51'48", long 85°11'04", Chambers County, Ala.-Harris County, Ga., Hydrologic Unit 03130002, at city of Lanett water intake, 0.5 mi (0.8 km) south of Lanett, and 2.4 mi (3.9 km) upstream of Long Cane Creek.

DRAINAGE AREA.--3,550 mi2 (9,190 km2), approximately.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: December 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.0°C Aug. 9, 1980; minimum, 4.5°C Feb. 2, 11, 18, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 31.0°C Aug. 9; minimum, 5.5°C Feb. 18.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.5	22.5	19.5	18.5	14.0	11.5	9.5	8.5	9.0	7.0	10.0	9.5
2	23.0	22.0	19.0	18.0	13.5	11.5	9.5	8.0	9.0	6.0	9.0	7.5
3	23.0	21.0	18.0	16.0	12.5	10.5	9.5	8.5	9.0	6.5	8.5	6.5
4	22.5	21.0	17.5	15.5	12.5	10.0	9.5	9.0	8.5	6.5	8.5	6.5
5	22.5	20.0	18.0	15.0	12.0	10.0	9.0	8.0	8.5	6.5	9.0	8.0
6	21.5	19.5	18.0	16.0	12.0	11.0	8.5	7.0	8.0	7.0	10.0	8.5
7	22.0	19.5	18.0	16.0	12.0	11.0	8.5	7.5	7.5	6.0	10.0	8.5
8	22.0	19.5	17.5	16.0	11.5	10.5	9.0	8.5	7.5	6.5	13.5	10.0
9	22.0	20.0	17.5	16.0	11.5	10.0	9.5	9.0	7.5	7.0	13.5	12.0
10	21.5	20.0	17.5	17.0	12.0	10.0	9.5	9.0	7.5	6.5	12.0	11.0
11	21.5	19.5	17.0	15.5	12.0	10.5	10.0	9.0	7.5	6.0	12.0	11.0
12	21.5	19.0	17.0	15.5	12.0	11.0	9.0	8.5	7.5	6.5	12.0	10.5
13	21.5	19.5	17.0	16.0	12.0	11.5	9.0	8.5	7.5	6.5	10.5	10.0
14	20.5	18.0	16.5	14.5	12.5	11.5	9.0	8.0	7.5	6.0	11.5	10.5
15	20.5	18.5	16.5	14.0	12.0	11.5	9.0	8.5	7.5	6.5	11.5	11.0
16	20.5	19.0	16.0	14.0	11.5	11.0	9.0	8.5	8.5	7.5	12.0	11.5
17	20.5	19.0	16.0	14.0	11.5	10.0	9.5	9.0	7.5	6.0	12.5	11.5
18	20.5	19.0	16.0	14.0	11.0	9.0	10.5	9.0	8.0	5.5	12.5	12.0
19	20.5	19.5	15.5	14.0	10.5	9.0	10.5	9.5	7.5	6.0	12.5	11.5
20	21.5	19.0	16.0	14.0	10.5	9.0	10.0	9.5	8.0	7.0	12.0	11.5
21	21.5	19.5	16.0	14.5	10.5	9.0	10.5	10.0	8.5	7.0	13.0	11.5
22	21.5	19.5	15.5	14.5	10.0	9.0	10.5	9.5	10.0	7.5	12.5	12.0
23	20.5	19.0	15.5	15.0	11.0	9.5	10.5	9.5	11.5	8.0	12.5	12.0
24	20.0	18.0	15.5	15.0	11.0	10.0	10.0	8.5	12.0	8.5	12.5	12.0
25	19.5	17.5	16.0	15.5	10.0	9.5	10.0	9.0	11.5	9.0	13.5	12.5
26	19.5	17.5	15.5	15.0	10.5	9.0	10.0	9.5	10.5	9.0	13.0	13.0
27	19.5	17.5	15.5	14.0	10.5	9.0	10.5	10.0	9.5	8.0	13.5	13.0
28	19.5	17.0	15.5	14.[illegible]	10.0	9.0	10.5	9.5	10.0	8.0	13.5	13.0
29	19.0	18.0	15.0	13.[illegible]	10.5	9.5	10.5	9.5	10.5	8.5	13.5	13.0
30	19.5	18.5	14.0	12.0	10.0	10.0	10.5	9.0	---	---	14.0	13.5
31	20.0	18.5	---	---	10.0	9.5	10.5	9.5	---	---	14.0	13.5
MONTH	23.5	17.0	19.5	12.0	14.0	9.0	10.5	7.0	12.0	5.5	14.0	6.5

02339550 CHATTAHOOCHEE RIVER AT LANETT, ALA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.0	13.5	17.5	16.5	24.0	22.0	25.0	23.0	27.5	25.5	28.0	27.0
2	14.0	13.5	17.5	16.5	22.5	21.0	25.0	23.5	30.0	26.0	28.0	26.5
3	14.5	14.0	18.5	17.0	23.0	20.5	24.5	23.0	29.5	28.0	28.0	27.0
4	16.0	14.0	19.5	17.0	23.0	21.0	25.0	23.5	29.0	26.0	28.5	27.0
5	16.0	14.5	19.0	17.0	22.0	21.0	28.0	23.5	27.0	25.5	28.0	27.0
6	15.0	14.0	19.0	17.0	24.5	21.0	27.5	24.0	27.5	26.0	29.0	27.0
7	14.5	14.0	18.5	17.5	25.5	21.0	27.5	23.5	27.5	26.5	29.0	27.5
8	14.5	14.5	19.0	17.5	25.5	23.0	27.5	23.0	28.0	27.0	28.5	27.0
9	15.5	14.5	20.0	17.5	24.5	22.0	28.0	23.5	31.0	27.0	28.5	27.0
10	16.0	14.5	18.5	17.5	24.5	21.0	---	---	30.0	28.5	28.5	27.0
11	15.5	15.0	20.0	17.0	24.0	21.0	---	---	29.5	27.0	28.0	27.0
12	15.5	15.0	20.0	17.0	24.0	21.0	---	---	28.5	27.0	28.0	27.0
13	16.0	15.5	18.0	17.5	24.5	21.5	---	---	29.5	27.0	29.0	26.5
14	15.5	15.5	19.0	17.5	25.0	21.0	---	---	29.5	27.0	29.0	26.5
15	15.5	15.0	19.0	17.5	25.5	23.0	---	---	29.0	27.0	28.5	27.0
16	15.5	15.0	20.0	18.0	25.0	21.5	---	---	30.0	27.5	28.5	26.5
17	16.0	15.5	18.5	18.0	24.5	21.5	---	---	29.5	28.5	27.5	27.0
18	16.0	15.5	19.0	18.5	24.5	21.5	29.0	24.5	28.5	27.5	27.5	26.5
19	16.0	15.5	21.0	18.5	24.5	21.5	29.0	25.0	28.5	27.5	28.0	26.5
20	16.5	15.5	20.0	19.5	24.5	22.0	29.0	27.5	28.5	28.0	28.0	26.5
21	16.5	15.5	20.0	19.5	25.5	21.5	28.5	25.0	29.0	28.0	27.5	26.5
22	17.0	16.0	20.5	20.0	25.5	24.5	28.0	25.0	29.5	28.0	28.0	26.5
23	17.0	16.0	20.5	20.0	25.0	22.0	27.0	25.0	30.0	28.0	28.0	26.5
24	17.5	16.0	21.0	20.5	24.0	21.5	28.0	25.0	30.5	28.5	27.0	26.5
25	17.5	16.0	22.0	21.0	23.5	22.0	27.0	25.0	29.0	28.0	27.5	26.0
26	17.0	15.5	22.0	21.5	23.0	22.0	29.0	25.0	29.5	27.0	28.0	26.0
27	17.0	16.0	22.0	21.5	23.5	22.5	29.0	27.5	28.5	27.5	27.5	25.5
28	17.5	16.0	22.0	21.0	24.0	23.0	28.0	25.5	28.5	27.5	26.0	25.0
29	18.0	16.5	21.5	21.0	23.5	22.5	27.5	25.0	28.5	27.5	25.5	24.0
30	17.5	16.5	21.5	21.0	24.5	22.5	27.5	25.0	29.5	27.0	25.0	23.5
31	---	---	24.0	20.5	---	---	27.5	25.5	28.5	27.0	---	---
MONTH	18.0	13.5	24.0	16.5	25.5	20.5	29.0	23.0	31.0	25.5	29.0	23.5
YEAR	31.0	5.5										

02339720 LONG CANE CREEK NEAR WEST POINT, GA.

LOCATION.--Lat 32°54'37", long 85°08'43", Troup County, Hydrologic Unit 03130002, at bridge on Webb Road 2.5 mi (4.0 km) northeast of West Point.
DRAINAGE AREA.--74.8 mi^2 (194 km^2), approximately.
PERIOD OF RECORD.--July 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 16...	1130	32	7.0	22.5	14.0	4.7
NOV 14...	0900	69	7.0	6.5	11.0	4.6
DEC 06...	0845	54	6.8	11.0	7.5	7.6
JAN 22...	0930	95	6.9	13.0	11.5	7.6
APR 16...	0920	260	6.6	12.5	17.5	7.8
MAY 07...	1200	66	6.4	26.0	19.5	4.3
JUN 04...	1300	57	6.8	34.0	25.0	4.5
JUL 08...	0745	27	6.8	23.5	24.0	4.2
AUG 06...	1445	16	7.4	37.5	27.5	2.3
SEP 02...	1055	7.0	6.7	25.0	--	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 16...	211	10	4.4	230	45	.54	1.140	.960	10
NOV 14...	145	14	5.2	2300	35	.30	.350	.500	4.0
DEC 06...	205	16	3.2	6800	34	.63	.500	1.080	6.6
JAN 22...	94	14	4.0	2300	26	.48	.170	.380	3.0
APR 16...	80	29	2.0	230	20	.24	.100	.230	7.0
MAY 07...	155	16	7.0	4300	32	.66	.490	.740	5.5
JUN 04...	160	15	3.2	930	30	.90	.170	.500	24
JUL 08...	125	8	2.8	430	32	1.5	.040	.500	4.0
AUG 06...	220	15	3.6	--	57	.85	.750	1.950	14
SEP 02...	400	5	20	430	63	.03	3,700	3.900	25

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, Ga.-Russell County, Ala., Hydrologic Unit 03130003, on downstream side of center pier of Central of Georgia railway bridge at Columbus, 0.5 mi (0.8 km) downstream from Eagle and Phenix Dam, 1.2 mi (1.9 km) downstream from City Mills Dam, 2.6 mi (4.2 km) downstream from North Highlands Dam, 3.3 mi (5.3 km) downstream from Oliver Dam, 17.5 mi (28.2 km) downstream from Bartletts Ferry Dam, and at mile 159.9 (257.3 km).
DRAINAGE AREA.--4,670 mi2 (12,100 km2), approximately.
PERIOD OF RECORD.--August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.
REVISED RECORDS.--WSP 1082: 1943(M). See also period of record.
GAGE.--Water-stage recorder. Datum of gage is 183.14 ft (55.821 m) National Geodetic Vertical Datum of 1929. Dec. 1-31, 1912, nonrecording gage at site 800 ft (243 m) upstream at datum 2.0 ft (0.61 m) higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft (0.61 m) higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.
REMARKS.--Records good except those below 1,500 cfs, which are poor. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1939. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, and 02341000.) Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--51 years, 6,831 ft3/s (193 m3/s), 19.86 in/yr (504 mm/yr), unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145,000 ft3/s (4,110 m3/s) Feb. 26, 1961; maximum gage height, 47.8 ft (14.57 m) Feb. 25, 1961; minimum discharge, 294 ft3/s (8.33 m3/s) Oct. 23, Nov. 14, 1931; minimum daily, 480 ft3/s (13.6 m3/s) Oct. 31, 1931.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft3/s (5,610 m3/s) Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft (16.22 m) Mar. 16, 1929.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60,400 ft3/s (1,710 m3/s) Mar. 9; maximum gage height, 27.37 ft (8.342 m) Mar. 9; minimum daily, 1,280 ft3/s (36.2 m3/s) Oct. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5940	4170	9740	4470	12100	7970	21800	9950	3350	9210	5770	5000
2	5970	5350	9950	6410	10300	5300	21200	10300	5840	9500	4460	5500
3	7200	1480	9700	7550	11500	7330	20800	10900	6920	9310	4410	9200
4	8240	3560	7080	6800	11300	7280	24400	9250	6900	4840	5480	7670
5	8630	6540	7470	3230	10700	7720	17900	9980	7580	1490	5720	7070
6	1930	7240	6710	2190	12000	9880	10800	7440	6900	2210	9810	4990
7	1550	7350	6770	4700	9930	8380	11900	7300	3740	4440	9970	3500
8	5460	8190	2480	5080	9440	31000	18300	7360	1610	4330	10000	6190
9	7100	9870	1900	4160	6910	53900	20000	6160	5000	4480	6400	6400
10	8540	9310	6150	5190	9480	34200	13900	3500	4800	4050	1850	7000
11	8500	8950	7350	5580	8560	20700	12800	3450	5770	5100	5900	7130
12	8450	9730	7860	2410	10200	22000	15100	6620	5150	3950	7980	6350
13	5710	9900	6580	3000	11000	30200	23100	7050	4690	4460	6800	3790
14	5850	10000	7420	6750	12200	31000	31100	7340	1490	4440	7430	2600
15	5510	9800	1910	7860	12200	20400	24200	7180	1400	3180	7030	4660
16	7750	9780	2220	9720	9630	19300	21000	7940	4120	4880	3830	5650
17	6340	6570	5380	10700	2460	21100	18500	12000	4510	4150	3660	4850
18	6650	7600	5570	11400	6870	22700	16300	21200	5120	3940	6220	3830
19	6570	9660	5360	11200	8600	23900	11300	13800	5970	1510	5690	3560
20	2040	9860	4660	12100	6730	21200	12700	25300	6050	1980	9090	1920
21	1750	9810	4170	10600	7400	22200	12100	33000	1600	4320	9510	1920
22	5500	10900	1490	10300	9020	21600	9880	29200	1420	4480	6820	4460
23	4830	10300	1500	12400	14600	21300	10600	29300	5250	4350	2450	4660
24	4390	9500	1570	11600	14700	21000	10600	29100	6340	4680	3870	5270
25	4280	5920	1460	11200	11300	20800	11300	23500	8250	5650	6190	5140
26	4090	10400	5220	11400	12300	20700	10100	23600	10500	3060	4570	3900
27	1280	9020	6270	12100	12300	20900	11700	18400	10100	1580	3940	3070
28	1370	10500	5460	12200	9610	25900	8770	10700	12200	4220	6350	3040
29	4660	10300	1510	12300	9610	36700	7120	9620	10600	5750	6990	5930
30	4970	10100	1540	12300	---	38100	8530	10400	11300	8400	6500	5140
31	4520	---	2450	12000	---	28400	---	7700	---	5530	2400	---
TOTAL	165570	251660	154900	258900	292950	683060	467800	418540	174470	143470	187090	149390
MEAN	5341	8389	4997	8352	10100	22030	15590	13500	5816	4628	6035	4980
MAX	8630	10900	9950	12400	14700	53900	31100	33000	12200	9500	10000	9200
MIN	1280	1480	1460	2190	2460	5300	7120	3450	1400	1490	1850	1920

CAL YR 1979 TOTAL 2928620 MEAN 8024 MAX 68300 MIN 950 MEAN† 8616 CFSM† 1.84 IN† 25.04
WTR YR 1980 TOTAL 3347800 MEAN 9147 MAX 53900 MIN 1280 MEAN† 8537 CFSM† 1.83 IN† 24.88

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER, WEST POINT LAKE, AND LAKE HARDING.

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.52	5.87	8.48	5.50	9.67	8.28	16.14	9.24	7.24	8.68	5.74	5.14
2	7.53	6.27	8.62	6.38	8.67	6.98	15.16	9.36	8.04	8.72	5.05	5.45
3	8.05	4.66	8.81	7.01	9.31	7.54	14.70	9.69	8.28	8.61	5.23	7.43
4	8.40	5.46	7.56	6.78	9.16	7.26	16.64	9.03	8.14	7.04	5.79	6.28
5	8.48	6.87	7.57	5.17	8.81	7.20	14.05	9.66	8.10	5.58	5.75	5.91
6	6.09	7.22	7.33	4.97	9.49	8.21	10.30	8.66	7.75	5.72	7.75	4.70
7	6.08	7.06	7.41	6.00	8.19	7.31	10.53	8.46	6.52	6.64	7.95	3.93
8	7.38	7.35	5.34	6.13	7.83	17.08	13.22	8.58	5.96	6.52	7.98	5.47
9	7.88	8.12	5.02	5.61	6.42	26.16	14.62	7.72	6.97	6.54	6.28	5.39
10	8.45	7.91	6.72	5.87	8.08	20.98	11.37	6.77	6.91	6.12	4.48	5.76
11	8.60	8.08	7.19	6.12	8.12	14.51	10.58	6.67	7.15	6.55	6.11	6.00
12	8.56	8.77	7.55	4.64	8.79	15.14	11.35	7.70	6.89	5.70	7.01	5.31
13	7.46	8.88	6.72	5.08	9.05	18.99	15.39	7.85	6.72	5.87	6.41	3.79
14	7.66	8.85	7.05	6.81	9.69	19.63	19.70	7.96	5.64	5.71	6.76	3.16
15	7.78	8.69	4.53	7.19	9.67	15.34	17.17	7.93	5.73	4.97	6.40	4.46
16	8.63	8.68	4.71	8.20	8.57	13.86	15.12	8.29	6.68	5.65	4.72	5.02
17	7.87	7.23	6.24	8.69	6.10	14.82	13.90	10.46	6.57	5.52	4.73	4.43
18	7.85	7.32	6.22	9.43	7.82	16.02	12.48	14.84	6.67	5.31	6.13	3.83
19	7.73	8.47	6.03	9.33	8.53	16.54	10.13	11.79	6.91	4.32	5.68	3.70
20	5.94	8.49	5.73	9.72	7.40	14.92	10.63	16.65	6.87	4.53	7.32	2.62
21	5.97	8.40	5.36	9.07	7.41	15.61	10.34	20.01	5.37	5.64	7.54	2.71
22	7.18	8.78	4.14	8.86	8.21	15.47	9.15	18.62	5.43	5.58	6.01	4.29
23	6.79	8.57	4.34	10.06	11.19	14.98	9.33	18.62	6.91	5.38	3.68	4.33
24	6.48	8.34	4.49	9.66	11.48	14.79	9.24	18.56	7.20	5.44	4.52	4.61
25	6.30	7.26	4.30	9.19	10.10	14.71	9.69	16.35	8.17	5.72	5.84	4.53
26	6.15	9.31	5.85	9.27	10.24	14.66	9.40	15.86	9.09	4.56	4.69	3.68
27	5.16	8.60	6.42	9.69	10.20	14.81	10.44	13.77	8.95	3.98	4.42	3.11
28	5.32	9.21	5.91	9.88	9.12	17.02	9.09	10.21	9.88	5.17	5.48	3.17
29	6.43	8.91	4.14	9.86	8.95	21.56	8.09	9.28	9.00	5.78	5.72	5.01
30	6.44	8.75	4.34	9.80	---	22.70	8.54	9.70	9.67	7.20	5.57	4.64
31	6.19	---	4.78	9.66	---	19.74	---	8.73	---	5.83	3.52	---
MEAN	7.17	7.88	6.09	7.73	8.84	14.93	12.22	11.19	7.31	5.95	5.81	4.60
MAX	8.63	9.31	8.81	10.06	11.48	26.16	19.70	20.01	9.88	8.72	7.98	7.43
MIN	5.16	4.66	4.14	4.64	6.10	6.98	8.09	6.67	5.37	3.98	3.52	2.62

WTR YR 1980 MEAN 8.31 MAX 26.16 MIN 2.62

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.--Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi (3.2 km) downstream from Randall Creek, 2 mi (3.2 km) upstream from Ochillee Creek, 8 mi (12.9 km) southeast of Columbus, and 12 mi (19 km) upstream from mouth.
DRAINAGE AREA.--342 mi^2 (886 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1968 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 230 ft (70 m), from topographic map.
REMARKS.--Records good.
AVERAGE DISCHARGE.--12 years, 505 ft^3/s (14.3 m^3/s), 20.05 in/yr (509 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 ft^3/s (289 m^3/s) Apr. 15, 1975, gage height, 15.76 ft (4.804 m); minimum, 106 ft^3/s (3.00 m^3/s) Oct. 5, 6, 7, 1970.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s (70.8 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 8	1730	4680	132	11.31	3.447
Mar. 13	0645	5060	143	11.73	3.575
Mar. 18	0830	3050	86.4	9.22	2.810
Mar. 30	1115	*5630	159	12.37	3.770

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 4	0700	3730	106	10.16	3.097
Apr. 14	0315	4380	124	10.98	3.347
May 20	1530	2610	73.9	8.58	2.615

Minimum discharge, 136 ft^3/s (3.85 m^3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	405	176	252	325	663	431	1650	500	331	218	162	198
2	319	176	247	285	525	495	1260	473	315	206	158	192
3	270	188	240	267	462	443	1140	474	304	199	155	184
4	254	178	232	291	429	407	2750	515	293	195	153	175
5	313	166	230	366	405	443	1730	465	280	193	153	168
6	294	164	555	321	425	599	1220	421	269	192	157	166
7	247	162	790	286	430	534	1020	387	261	193	161	170
8	217	162	369	279	394	2700	1060	432	254	192	158	167
9	202	162	399	278	423	2270	1340	468	246	191	159	163
10	194	202	336	272	1240	1070	1060	405	236	189	182	159
11	192	450	316	272	923	774	870	360	226	187	178	156
12	186	572	305	295	651	979	828	334	217	186	195	163
13	182	390	294	277	533	4310	1090	320	211	184	202	163
14	176	290	317	264	472	2390	3480	326	207	183	191	159
15	170	232	316	256	441	1320	1940	415	207	182	350	156
16	168	214	292	253	645	992	1230	385	205	181	285	152
17	168	207	276	283	749	984	973	402	201	268	253	151
18	166	202	261	1170	561	2640	850	502	201	262	314	176
19	162	198	255	1120	482	1720	978	470	236	221	263	197
20	160	194	254	662	453	1280	1030	1730	260	209	226	216
21	162	192	252	509	440	2070	847	1690	262	196	207	188
22	162	190	249	444	747	1690	727	984	255	191	196	184
23	160	192	250	1090	1280	1170	650	1330	289	186	187	187
24	160	345	275	869	831	1020	592	1130	390	186	179	177
25	156	492	371	618	644	1010	550	715	437	188	173	167
26	152	770	325	583	518	919	840	561	336	191	168	162
27	150	538	282	715	459	1090	991	481	293	191	164	158
28	150	384	261	597	441	2830	740	434	264	197	161	152
29	154	308	252	509	428	3600	607	404	240	198	159	156
30	182	270	323	453	---	4520	538	374	227	180	165	243
31	186	---	383	625	---	2820	---	350	---	169	194	---
TOTAL	6219	8366	9759	14834	17094	49520	34581	18237	7953	6104	6008	5205
MEAN	201	279	315	479	589	1597	1153	588	265	197	194	174
MAX	405	770	790	1170	1280	4520	3480	1730	437	268	350	243
MIN	150	162	230	253	394	407	538	320	201	169	153	151
CFSM	.59	.82	.92	1.40	1.72	4.67	3.37	1.72	.78	.58	.57	.51
IN.	.68	.91	1.06	1.61	1.86	5.39	3.76	1.98	.87	.66	.65	.57

CAL YR 1979 TOTAL 183960 MEAN 504 MAX 5970 MIN 137 CFSM 1.47 IN 20.01
WTR YR 1980 TOTAL 183880 MEAN 502 MAX 4520 MIN 150 CFSM 1.47 IN 20.00

02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
05...	1110	322	19.5	59	51
JAN					
10...	1245	272	11.5	261	192
FEH					
20...	1740	450	13.0	35	43
APR					
01...	1850	1490	17.0	561	2260
JUN					
20...	1030	260	24.0	26	18
JUL					
30...	0940	174	25.0	13	6.1
SFP					
18...	1055	170	24.0	21	9.6
29...	1135	140	19.0	10	3.8

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.

LOCATION.--Lat 30°58'39", long 85°00'19", Seminole County, Ga.-Jackson County, Fla., Hydrologic Unit 03130004, at Herman E. Talmadge Bridge on State Highway 91, 2 mi (3 km) northwest of Steam Mill.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Reservoir (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, 02341000, 02343240.), and by George W. Andrews Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 11...	1100	7.5	21.5	21.5	8.8
NOV 13...	1300	7.3	17.0	18.5	8.0
DEC 13...	1220	6.8	23.0	13.5	9.7
JAN 17...	1300	7.4	21.0	12.0	9.2
FEB 20...	1525	7.2	25.0	9.0	11.6
MAR 05...	1445	7.1	18.0	10.0	11.8
APR 08...	1225	6.8	25.5	17.0	7.9
MAY 13...	1145	6.8	31.0	22.5	7.5
JUN 10...	1250	6.7	31.0	28.0	6.8
JUL 15...	0955	7.0	29.0	29.5	6.9
AUG 18...	1130	7.4	30.0	30.5	7.9
SEP 16...	1325	7.4	35.0	28.5	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	83	30	7	2.6	230	25	12	.20	.030	.100	4.0
NOV 13...	86	35	8	2.1	2300	24	12	.26	<.020	.020	1.5
DEC 13...	84	30	14	1.4	40	21	11	.46	.030	.050	3.0
JAN 17...	80	20	11	2.1	9300	21	19	.44	.050	<.020	2.0
FEB 20...	72	25	17	2.3	40	17	10	.34	.080	.030	4.0
MAR 05...	73	30	15	2.8	65	17	9	.42	.030	.060	3.0
APR 08...	55	100	26	.9	430	14	18	.31	.030	.070	4.5
MAY 13...	62	30	12	1.6	150	19	5	.34	<.020	.020	3.0
JUN 10...	72	60	22	1.3	70	21	18	--	.100	.060	4.0
JUL 15...	74	20	23	1.5	15000	22	33	.20	.020	.030	4.0
AUG 18...	81	15	5	1.8	--	26	6	.07	<.020	.020	4.0
SEP 16...	88	40	4	.9	<30	27	10	.13	.070	.030	15

02344180 FLINT RIVER NEAR JONESBORO, GA.

LOCATION.—Lat 33°32'14", long 84°22'35", Clayton County, Hydrologic Unit 03130005, at bridge on State Highway 138, 0.8 mi (1.3 km) west of U.S. Highway 41, and 1.5 mi (2.4 km) northwest of Jonesboro.
DRAINAGE AREA.—39.1 mi^2 (62.9 km^2).
PERIOD OF RECORD.—July 1975 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 11...	0930	28	7.0	14.5	14.5	--
NOV 07...	1030	36	7.1	15.5	11.0	4.8
DEC 05...	1100	32	7.0	12.0	5.0	9.6
JAN 15...	0920	38	7.1	10.5	9.5	5.8
APR 08...	0940	44	6.7	21.0	16.0	6.1
MAY 13...	0800	24	6.9	19.5	21.0	4.0
JUN 12...	1115	19	7.1	28.0	22.5	4.1
JUL 15...	0900	18	6.8	29.0	27.0	4.8
AUG 13...	1430	13	6.9	36.0	27.0	3.9
SEP 10...	0615	13	7.3	18.5	23.5	4.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	193	16	3.6	43000	44	18	128	.45	.750	.690	5.0
NOV 07...	214	17	5.2	3900	55	9	136	.52	3.750	.800	4.0
DEC 05...	188	19	1.2	<30	42	8	112	1.2	2.170	.540	<1.0
JAN 15...	163	20	12	1200	42	12	148	.90	1.900	.440	7.0
APR 08...	134	14	2.6	2300	23	12	114	2.6	.760	3.800	3.5
MAY 13...	177	27	4.9	29000	32	43	176	3.8	.760	.660	2.0
JUN 12...	231	17	2.4	15000	35	14	164	1.3	.220	.960	4.0
JUL 15...	210	23	3.5	3600	27	15	164	5.6	.200	1.340	3.0
AUG 13...	170	19	3.6	430000	30	11	162	2.2	.060	.740	6.2
SEP 10...	220	16	2.1	7500	30	19	186	3.7	.100	1.240	4.0

02344190 FLINT RIVER NEAR FAYETTEVILLE, GA.

LOCATION.--Lat 33°29'13", long 84°23'44", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on State Highway 54, 200 ft (60 m) east of Thomas Road, 0.2 mi (0.3 km) upstream from Camp Creek, and 4.4 mi (7.1 km) northeast of Fayetteville.
DRAINAGE AREA.--49 mi^2 (79 km^2).
PERIOD OF RECORD.--July 1975 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 11...	1000	61	7.4	12.0	14.5	--
NOV 07...	1145	60	6.8	15.5	12.0	2.3
DEC 05...	1130	65	7.1	12.5	6.0	5.8
JAN 15...	1040	75	7.2	11.0	9.0	3.6
APR 08...	1015	82	7.0	23.0	17.0	3.8
MAY 13...	0900	48	6.8	23.5	20.0	1.4
JUN 12...	1030	39	7.1	26.0	21.5	6.6
JUL 15...	1000	32	7.0	28.0	26.5	3.6
AUG 13...	1415	33	7.1	36.0	26.5	2.4
SEP 10...	0645	28	7.0	18.5	23.5	1.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	256	10	4.2	200	63	11	156	1.4	5.200	1.680	7.0
NOV 07...	269	14	5.2	930	72	9	160	.41	1.500	1.900	18
DEC 05...	253	17	5.0	290	63	3	138	.77	6.450	1.420	9.0
JAN 15...	223	17	8.2	9300	58	19	216	.38	5.600	1.250	11
APR 08...	203	13	4.6	930	49	13	146	.82	4.400	1.050	4.5
MAY 13...	280	10	3.2	930	71	3	204	.28	7.150	2.220	7.5
JUN 12...	325	11	>14	1500	75	7	172	.60	7.400	2.480	15
JUL 15...	320	18	3.5	64000	70	10	202	1.5	6.400	1.940	7.0
AUG 13...	330	13	5.4	3000	72	10	226	2.1	7.000	3.860	11
SEP 10...	320	7	5.6	390	31	6	226	.84	5.400	3.800	8.0

02344380 FLINT RIVER NEAR INMAN, GA.

LOCATION.--Lat 33°23'08", long 84°23'24", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on Ackert Road, 0.6 mi (1.0 km) downstream from Gay Creek, and 1.4 mi (2.2 km) east of State Highway 92 at Inman.
DRAINAGE AREA.--158 mi2 (254 km2).
PERIOD OF RECORD.--July 1975 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
11...	1105	109	7.1	16.5	14.5	--
NOV						
07...	1225	135	6.8	17.0	11.0	5.6
DEC						
04...	1530	143	7.0	14.0	6.0	8.2
JAN						
15...	1140	184	6.7	14.5	8.5	6.9
APR						
08...	1055	237	6.7	24.0	16.5	6.7
MAY						
13...	0945	106	6.6	23.0	19.5	4.3
JUN						
12...	1000	84	6.9	25.0	21.0	3.5
JUL						
15...	1045	62	6.8	27.0	27.0	5.0
AUG						
13...	1330	45	6.8	32.0	27.5	3.2
SEP						
10...	0715	45	7.2	18.0	23.0	2.5

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
11...	147	9	1.8	90	32	5	92	1.9	.640	.590	3.0
NOV											
07...	135	12	1.7	150	32	3	96	1.1	1.080	.600	3.0
DEC											
04...	143	14	1.0	<60	34	4	104	.75	1.550	.400	1.5
JAN											
15...	114	16	1.8	930	25	2	124	.60	1.100	.340	2.0
APR											
08...	102	14	2.4	70	23	10	90	1.0	.330	.300	5.0
MAY											
13...	142	12	1.8	230	32	5	120	1.8	.350	.640	3.3
JUN											
12...	163	12	3.4	1500	30	8	100	2.2	.550	.680	3.0
JUL											
15...	180	19	1.8	200	33	7	148	2.3	.180	1.000	5.0
AUG											
13...	210	10	3.0	--	39	5	166	2.8	.550	1.580	5.5
SEP											
10...	185	7	4.3	150	38	5	146	1.6	.820	1.180	6.0

02344400 FLINT RIVER ABOVE GRIFFIN, GA.

LOCATION.--Lat 33°18'33", long 84°23'36", Spalding-Fayette County line, Hydrologic Unit 03130005, at bridge on State Highway 92, 3.4 mi (5.5 km) upstream from Central of Georgia Railroad bridge, and 8.5 mi (13.7 km) northwest of Griffin.
DRAINAGE AREA.--194 mi^2 (502 km2).
PERIOD OF RECORD.--July 1975 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
11...	1150	117	7.2	14.5	15.0	--
NOV						
07...	1250	160	6.7	16.5	12.0	6.4
DEC						
04...	1445	157	6.7	14.5	6.0	8.4
JAN						
15...	1205	230	7.0	18.5	8.0	6.6
MAR						
11...	1430	850	6.6	15.0	16.0	9.7
APR						
08...	1130	304	6.5	24.0	17.0	7.5
MAY						
13...	1015	112	7.0	23.5	19.5	5.3
JUN						
12...	0930	84	6.9	25.0	21.0	4.4
JUL						
15...	1145	70	6.6	26.0	27.0	4.6
AUG						
13...	1300	40	7.0	35.0	27.0	3.7
SEP						
10...	0800	51	7.2	20.5	24.0	3.4

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, CONFIRMED (MPN)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)
OCT							
11...	131	8	14	.6	23000	<30	28
NOV							
07...	115	11	14	.6	2300	90	26
DEC							
04...	133	14	8	1.0	4300	40	33
JAN							
15...	98	20	--	1.1	--	70	22
MAR							
11...	68	48	18	1.8	3300	135	13
APR							
08...	91	11	14	.9	--	90	21
MAY							
13...	130	11	14	.6	930	<30	27
JUN							
12...	148	15	20	1.2	430	40	29
JUL							
15...	160	16	12	1.0	2300	930	32
AUG							
13...	190	14	12	1.4	4300	90	38
SEP							
10...	180	8	17	1.8	23000	2300	29

02344400 FLINT RIVER ABOVE GRIFFIN, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C. TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	2	88	1.7	.180	.30	.310	4.0
NOV 07...	3	80	.95	.220	.70	.310	4.0
DEC 04...	5	100	.89	1.250	1.3	.030	<1.0
JAN 15...	3	112	.70	.220	--	.250	1.0
MAR 11...	23	92	.37	.050	.54	.170	7.0
APR 08...	6	84	.82	.110	.50	.200	3.5
MAY 13...	6	112	1.8	.100	.90	.420	1.5
JUN 12...	7	96	2.1	.400	.50	.510	2.5
JUL 15...	8	134	1.8	.060	.64	.610	3.0
AUG 13...	6	164	2.3	.060	.40	1.230	5.0
SEP 10...	6	138	1.6	.040	<.10	.700	6.0

02344500 FLINT RIVER NEAR GRIFFIN, GA.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, Hydrologic Unit 03130005, at downstream side of pier of bridge on State Highway 16, 1.5 mi (2.4 km) downstream from Shoal Creek, 5.5 mi (8.8 km) upstream from Line Creek, 10 mi (16 km) west of Griffin, and at mile 304.4 (489.8 km).

DRAINAGE AREA.--272 mi2 (704 km2).

PERIOD OF RECORD.--March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft (216.847 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft (0.91 m) higher. Aug. 25, 1938, to May 5, 1941, nonrecording gage, May 6, 1941, to Aug. 20, 1959, water-stage recorder, and Aug. 21, 1959 to Sept. 13, 1960, nonrecording gage, all at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Nov. 1-25, which are fair. Some diurnal fluctuation at low flow. City of Griffin diverted an average of about 8 ft3/s (0.23 m3/s) for municipal supply at pumping plant 6 mi (9.7 km) above station. An average of about 1 ft3/s (0.03 m3/s) of the diversion was discharged as sewage effluent into tributaries of Towaliga River, and an average of about 3 ft3/s (0.08 m3/s) was returned as sewage effluent to Flint River about 49 mi (79 km) downstream. Records of chemical analyses for the water years 1968-69, 1971-72, are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--43 years, 359 ft3/s (10.2 m3/s), 17.92 in/yr (455 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft3/s (374 m3/s) Nov. 27, 1948, gage height, 18.0 ft (5.49 m); minimum daily, 2.5 ft3/s (0.071 m3/s) Oct. 20, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft (5.46 m), present datum, from floodmark located by local resident, discharge, 15,300 ft3/s (433 m3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft3/s (56.6 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Jan. 20	1500	2090	59.2	10.67	3.252
Mar. 10	0700	2740	77.6	11.41	3.478
Mar. 14	1900	2780	78.7	11.43	3.484

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Mar. 30	1500	*4620	131	12.75	3.886
May 20	2200	4490	127	12.66	3.859

Minimum daily discharge, 40 ft3/s (1.13 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1150	260	303	273	375	239	1660	242	249	200	59	92
2	989	240	264	277	419	246	1090	239	232	177	54	79
3	471	350	242	235	390	249	761	227	217	162	53	81
4	267	450	227	235	298	261	993	230	205	149	49	114
5	393	550	220	266	265	284	820	223	193	141	45	107
6	386	350	219	265	259	419	610	211	182	134	48	94
7	508	240	232	264	273	686	496	198	174	126	51	97
8	449	190	231	228	271	1520	458	193	173	117	46	123
9	245	170	229	229	400	2490	536	201	164	115	49	96
10	192	150	215	269	824	2600	517	200	153	105	53	69
11	168	250	201	340	1020	1570	484	198	145	97	47	63
12	155	400	198	347	1150	998	401	184	139	93	43	61
13	152	650	197	349	761	2300	407	173	134	98	54	59
14	143	500	205	429	447	2650	779	184	132	90	52	60
15	135	400	205	327	351	2010	981	226	131	92	54	53
16	122	300	204	267	367	995	1090	283	125	89	63	45
17	121	250	195	272	399	669	744	463	122	78	75	40
18	118	230	184	645	517	926	467	493	151	112	80	46
19	120	210	179	955	545	1030	423	415	173	119	69	53
20	121	190	179	1900	354	1010	399	2340	239	131	89	58
21	128	180	176	1390	313	824	362	3800	238	119	85	70
22	126	180	178	716	341	775	324	3190	209	91	89	70
23	129	180	179	563	484	1110	296	2110	226	99	135	95
24	133	250	194	539	477	898	276	1500	234	96	102	96
25	136	500	221	607	410	717	259	1450	552	86	93	71
26	144	830	224	514	314	664	252	2020	907	85	73	61
27	136	1040	238	415	266	630	256	1080	1610	95	62	59
28	130	1120	212	368	251	936	245	532	957	93	57	56
29	125	803	194	336	241	3130	234	362	368	81	53	85
30	121	416	219	302	---	4200	236	302	240	71	56	185
31	159	---	257	329	---	2880	---	266	---	66	85	---
TOTAL	7872	11829	6621	14451	12782	39916	16856	23735	8974	3407	2023	2338
MEAN	254	394	214	466	441	1288	562	766	299	110	65.3	77.9
MAX	1150	1120	303	1900	1150	4200	1660	3800	1610	200	135	185
MIN	118	150	176	228	241	239	234	173	122	66	43	40
CFSM	.93	1.45	.79	1.71	1.62	4.74	2.07	2.82	1.10	.40	.24	.29
IN.	1.08	1.62	.91	1.98	1.75	5.46	2.31	3.25	1.23	.47	.28	.32

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CAL YR 1979  TOTAL  140713   MEAN 386   MAX  5610   MIN 49   CFSM 1.42   IN 19.24
WTR YR 1980  TOTAL  150804   MEAN 412   MAX  4200   MIN 40   CFSM 1.52   IN 20.62
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02344700 LINE CREEK NEAR SENOIA, GA.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on State Highway 85, 2.2 mi (3.5 km) northeast of Senoia, 4.1 mi (6.6 km) upstream from Whitewater Creek, and 11.2 mi (18.0 km) upstream from mouth.
DRAINAGE AREA.--101 mi2 (262 km2), approximately.
PERIOD OF RECORD.--September 1964 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 740 ft (226 m), from topographic map.
REMARKS.--Records good. Low flow affected by withdrawals and return flow by several municipalities.
AVERAGE DISCHARGE.--16 years, 140 ft3/s (3.96 m3/s), 18.82 in/yr (478 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,580 ft3/s (271 m3/s) Nov. 5, 1977, gage height, 14.88 ft (4.535 m); minimum daily, 3.1 ft3/s (0.088 m3/s) Oct. 14, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft3/s (28.3 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Jan. 19	1500	1200	34.0	8.95	2.728
Mar. 9	0700	2150	60.9	10.27	3.130
Mar. 13	1000	1590	45.0	9.58	2.920

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Mar. 29	1500	*2450	69.4	10.65	3.246
May 21	1400	1070	30.3	8.69	2.649
May 24	2400	1650	46.7	9.71	2.960

Minimum daily discharge, 3.2 ft3/s (0.091 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	62	104	71	186	109	506	102	86	63	23	22
2	94	68	95	64	143	119	333	92	79	53	20	12
3	71	181	87	53	119	118	276	90	73	48	17	8.5
4	79	139	87	54	112	101	317	99	69	46	15	12
5	236	78	87	81	104	127	310	90	64	42	14	12
6	168	59	90	76	106	304	221	80	58	40	14	10
7	95	52	98	64	127	305	189	73	55	42	15	7.6
8	66	50	90	66	117	525	190	71	52	46	22	5.8
9	54	46	81	97	165	1800	242	80	50	42	25	5.0
10	69	63	77	110	450	761	209	76	46	37	22	4.2
11	114	180	76	100	589	372	164	67	42	34	16	4.6
12	86	240	75	169	344	327	152	63	40	30	13	4.6
13	54	173	75	178	216	1400	183	60	38	27	12	4.0
14	46	113	80	129	173	1000	387	64	40	24	11	3.8
15	41	89	78	112	152	409	435	110	40	22	10	3.7
16	38	75	72	98	177	260	259	127	38	20	10	3.3
17	36	69	69	101	209	236	187	108	46	19	15	3.2
18	34	64	64	297	167	414	162	228	284	21	46	4.6
19	32	60	60	982	140	502	154	191	252	19	34	5.2
20	28	57	60	657	136	329	153	386	157	17	34	6.6
21	28	56	60	290	136	348	140	1030	107	15	28	13
22	29	54	60	196	154	664	130	645	83	15	19	9.4
23	30	54	59	257	285	409	121	352	76	14	14	8.5
24	38	108	62	295	209	283	113	618	134	14	11	7.9
25	36	260	84	212	158	333	105	1110	315	14	9.7	7.3
26	31	370	84	171	134	275	103	372	380	15	8.5	7.0
27	28	421	69	161	116	216	108	177	275	151	7.0	6.8
28	28	255	61	149	112	375	104	137	99	184	6.2	8.7
29	28	154	58	127	111	2150	99	121	80	62	5.6	21
30	40	123	68	111	---	1260	107	109	73	40	8.5	82
31	67	---	77	135	---	820	---	96	---	30	34	---
TOTAL	1967	3773	2347	5663	5347	16651	6159	7024	3231	1246	539.5	314.3
MEAN	63.5	126	75.7	183	184	537	205	227	108	40.2	17.4	10.5
MAX	236	421	104	982	589	2150	506	1110	380	184	46	82
MIN	28	46	58	53	104	101	99	60	38	14	5.6	3.2
CFSM	.63	1.25	.75	1.81	1.82	5.32	2.03	2.25	1.07	.40	.17	.10
IN.	.72	1.39	.86	2.09	1.97	6.13	2.27	2.59	1.19	.46	.20	.12

CAL YR 1979 TOTAL 51612.3 MEAN 141 MAX 4010 MIN 4.0 CFSM 1.40 IN 19.01
WTR YR 1980 TOTAL 54261.8 MEAN 148 MAX 2150 MIN 3.2 CFSM 1.47 IN 19.99

02346180 FLINT RIVER NEAR THOMASTON, GA.

LOCATION.--Lat 32°50'20", long 84°25'27", Upson-Talbot County line, Hydrologic Unit 03130005, at downstream end of left bank pier of bridge on State Highway 36, 2.5 mi (4.0 km) upstream from Lazar Creek, and 7.8 mi (12.6 km) west of Thomaston.

DRAINAGE AREA.--1,220 mi2 (3,160 km2), approximately.

PERIOD OF RECORD.--May 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 490.00 ft (149.352 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 1,759 ft3/s (49.8 m3/s), 19.58 in/yr (497 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,400 ft3/s (974 m3/s) Mar. 3, 1971, gage height, 18.4 ft (5.61 m), from floodmarks; minimum daily, 110 ft3/s (3.12 m3/s) Oct. 2, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1948 reached a stage of 19.3 ft (5.88 m), from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft3/s (198 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Mar. 9	1300	*21900	620	15.92	4.852
Mar. 14	0100	12500	354	13.38	4.078
Mar. 30	0500	12500	354	13.36	4.072
May 21	1500	11000	312	13.04	3.475

Minimum daily discharge, 158 ft3/s (4.47 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2240	531	1310	1090	1740	1270	9930	1140	1110	936	326	328
2	2310	675	1110	1030	1680	1290	6040	1130	1040	804	296	373
3	1710	778	1010	968	1580	1280	3680	1100	974	720	267	302
4	1080	895	941	930	1420	1260	4240	1100	928	663	255	272
5	1090	1070	917	1050	1270	1320	4670	1110	876	619	244	283
6	1550	1110	954	1090	1240	1660	3330	1060	826	582	232	295
7	1450	874	998	1030	1270	1960	2490	996	796	740	235	267
8	1220	674	998	993	1270	7930	2230	964	762	831	241	238
9	1000	625	939	976	1500	20200	2480	974	726	809	225	238
10	736	615	885	1050	3710	11900	2350	985	678	654	225	241
11	635	920	845	1120	4350	7620	2100	945	646	555	215	270
12	619	1430	821	1220	3820	6190	1910	895	617	499	222	213
13	600	1580	816	1300	3260	10800	2150	857	595	457	221	197
14	542	1560	846	1350	2320	11200	4410	861	574	427	235	184
15	496	1350	874	1310	1770	8100	4430	1070	566	400	254	174
16	466	1040	855	1150	1670	5840	3560	1130	547	389	284	163
17	449	864	818	1100	1770	3580	2960	1390	524	383	417	158
18	438	788	779	2230	1740	4470	2270	2240	701	373	699	175
19	428	747	750	2880	1730	4550	1990	2090	1150	421	684	175
20	430	721	733	3070	1620	3980	1910	5880	1750	466	443	178
21	432	699	727	3770	1420	3880	1770	10400	1890	432	380	214
22	431	682	720	3270	1820	3350	1610	8990	1140	406	351	304
23	436	682	723	2710	3570	3200	1480	7350	1020	368	334	274
24	450	1020	758	2470	3010	3390	1380	5690	1480	359	367	267
25	462	1960	888	2200	2390	3080	1300	4280	2270	371	373	284
26	459	2510	954	2040	1870	2690	1320	3960	2460	367	302	249
27	450	2760	927	1940	1560	2550	1380	3850	2410	517	261	228
28	441	2760	876	1760	1400	4320	1310	2460	2650	514	232	209
29	431	2510	810	1570	1320	10200	1230	1600	1880	626	215	263
30	483	1850	882	1420	---	12200	1160	1330	1180	482	220	815
31	468	---	1080	1480	---	11900	---	1200	---	377	209	---
TOTAL	24432	36280	27544	51567	59090	177160	83070	79077	34766	16549	9464	7831
MEAN	788	1209	889	1663	2038	5715	2769	2551	1159	534	305	261
MAX	2310	2760	1310	3770	4350	20200	9930	10400	2650	936	699	815
MIN	428	531	720	930	1240	1260	1160	857	524	359	209	158
CFSM	.65	.99	.73	1.36	1.67	4.68	2.27	2.09	.95	.44	.25	.21
IN.	.74	1.11	.84	1.57	1.80	5.40	2.53	2.41	1.06	.50	.29	.24

CAL YR 1979 TOTAL 579151 MEAN 1587 MAX 14500 MIN 158 CFSM 1.30 IN 17.66
WTR YR 1980 TOTAL 606830 MEAN 1658 MAX 20200 MIN 158 CFSM 1.36 IN 18.50

02347500 FLINT RIVER NEAR CULLODEN, GA.

LOCATION.--Lat 32°43'17", long 84°13'57", Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on U.S. Highway 19, 4 mi (6.4 km) upstream from Auchumpkee Creek, 5 mi (8.0 km) downstream from Swift Creek, 13 mi (20.9 km) southwest of Culloden, and at mile 238.4 (383.6 km).

DRAINAGE AREA.--1,850 mi2 (4,790 km2), approximately.

PERIOD OF RECORD.--July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.--WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 334.54 ft (101.968 m) National Geodetic Vertical Datum of 1929. July 1, 1911, to Oct. 11, 1918, nonrecording gage and Oct. 12, 1918, to May 31, 1923, water-stage recorder, at site 2.5 mi (4.0 km) downstream at different datum. July 21, 1928, to Dec. 31, 1931, and Mar. 18, 1937, to May 3, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--57 years (1911-22, 1928-31, 1937-80), 2,423 ft3/s (68.6 m3/s), 17.79 in/yr (452 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,000 ft3/s (2,610 m3/s) Mar. 15, 1929, gage height, 38.4 ft (11.70 m), from graph based on gage readings; minimum observed, 92 ft3/s (2.61 m3/s) Oct. 4, 6, 7, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1912, that of Mar. 15, 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft3/s (312 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Mar. 9	2000	*33800	957	25.65	7.818
Mar. 13	1100	20700	586	19.52	5.950
Mar. 30	1400	21700	615	20.11	6.130

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Apr. 14	0700	12300	348	14.08	4.292
May 21	1300	13800	391	15.18	4.627

Minimum discharge, 252 ft3/s (7.14 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2590	682	1740	1430	2470	1850	13700	1790	1700	1350	488	388
2	2750	818	1400	1340	2390	1880	9510	1740	1580	1150	443	535
3	2140	965	1250	1260	2170	1840	6430	1680	1470	1020	412	497
4	1450	993	1170	1190	1980	1770	7350	1690	1380	939	376	431
5	1150	1130	1120	1300	1780	1810	7600	1670	1300	882	380	417
6	1660	1210	1190	1400	1710	2380	5940	1590	1220	835	363	439
7	1700	1110	1480	1350	1770	2740	4440	1480	1180	865	357	421
8	1430	855	1390	1290	1750	13800	3860	1480	1110	1040	365	369
9	1230	776	1250	1240	1850	30400	4340	1470	1060	972	391	338
10	946	759	1140	1250	6170	24300	4100	1460	999	891	368	347
11	797	967	1090	1310	6730	11000	3610	1380	951	762	340	402
12	757	1880	1040	1420	5520	9760	3240	1310	913	689	342	386
13	744	1970	1020	1520	4670	20000	3510	1260	884	646	367	325
14	684	1840	1030	1570	3570	18000	11100	1250	859	602	379	301
15	625	1660	1070	1590	2660	11800	8810	1580	834	571	449	277
16	595	1340	1070	1500	2500	8880	6240	1610	812	538	448	262
17	581	1080	1020	1390	2730	6280	5060	1650	792	571	568	255
18	564	960	983	3800	2530	8540	4060	3010	1060	559	1120	295
19	554	907	956	5280	2390	8040	3650	3110	1570	602	1100	323
20	544	875	937	4410	2340	6600	3600	7700	2450	658	759	330
21	545	849	922	4680	2100	6910	3190	13600	2550	626	628	387
22	544	828	912	4520	2260	6100	2830	11700	1760	598	569	429
23	554	820	903	4930	6200	5100	2550	9980	1370	553	512	480
24	560	942	912	4220	5050	5130	2330	8520	1660	522	497	424
25	577	2050	1040	3360	3840	4890	2150	6310	3380	547	575	468
26	587	3380	1170	3010	2900	4260	2150	5410	3490	563	524	443
27	577	3720	1160	3030	2350	4090	2470	5280	3080	538	460	400
28	574	3480	1110	2730	2090	8510	2190	3950	3210	747	412	352
29	555	3170	1050	2360	1940	18400	2010	2570	2680	729	386	379
30	624	2480	1030	2080	---	20500	1880	2050	1760	723	383	719
31	704	---	1320	2070	---	18000	---	1830	---	571	396	---
TOTAL	29892	44496	34875	73830	88410	293560	143900	111110	49064	22859	15157	11819
MEAN	964	1483	1125	2382	3049	9470	4797	3584	1635	737	489	394
MAX	2750	3720	1740	5280	6730	30400	13700	13600	3490	1350	1120	719
MIN	544	682	903	1190	1710	1770	1880	1250	792	522	340	255
CFSM	.52	.80	.61	1.29	1.65	5.12	2.59	1.94	.88	.40	.26	.21
IN.	.60	.89	.70	1.48	1.78	5.90	2.89	2.23	.99	.46	.30	.24

CAL YR 1979 TOTAL 866452 MEAN 2374 MAX 28700 MIN 242 CFSM 1.28 IN 17.42
WTR YR 1980 TOTAL 918972 MEAN 2511 MAX 30400 MIN 255 CFSM 1.36 IN 18.48

02349500 FLINT RIVER AT MONTEZUMA, GA.

LOCATION.--Lat 32°17'53", long 84°02'38", Macon County, Hydrologic Unit 03130006, near left bank on downstream end of pier of bridge on State Highways 26 and 49, 1,000 ft (305 m) upstream from Central of Georgia Railway bridge, 1,400 ft (427 m) upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, just upstream from Buck Creek, 1 mi (1.6 km) west of Montezuma, and at mile 180.6 (290.6 km).

DRAINAGE AREA.--2,900 mi^2 (7,500 km^2), approximately; includes that of Buck Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to December 1912 (published as "near Montezuma"), July 1930 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior to 1912).

GAGE.--Water-stage recorder. Datum of gage is 255.83 ft (77.977 m) National Geodetic Vertical Datum of 1929. January 1905 to December 1909, and January 1911 to December 1912, nonrecording gage at site 1.5 mi (2.4 km) upstream at same datum. July 1, 1930, to June 30, 1933, and Oct. 1, 1934, to Dec. 12, 1941, nonrecording gage, and Dec. 13, 1941, to Oct. 25, 1955, water-stage recorder at site 500 ft (152 m) downstream at same datum.

REMARKS.--Records good. Records include flow of Buck Creek. Prior to Dec. 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by powerplant above station.

AVERAGE DISCHARGE.--58 years, 3,613 ft^3/s (102 m^3/s), 16.92 in/yr (430 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,900 ft^3/s (1,950 m^3/s) Nov. 30, 1948, gage height, 25.2 ft (7.68 m); minimum daily, 585 ft^3/s (16.6 m^3/s) Oct. 26, 1941, Sept. 23, 1956.

FLOODS OUTSIDE PERIOD OF RECORD.--Flood on Mar. 2, 1897, reached a stage of 26.0 ft (7.92 m) at former site, from National Weather Service, discharge, 97,000 ft^3/s (2,750 m^3/s), from rating curve extended above 10,000 ft^3/s (283 m^3/s on basis of peak flows passing upstream and downstream stations.

Flood on Mar. 17, 1929, reached a stage of 27.4 ft (8.35 m), at present site, from National Weather Service, discharge, 92,300 ft^3/s (2,610 m^3/s), from rating curve extended above 65,000 ft^3/s (1,840 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 13,000 ft^3/s (368 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 12	0800	*29300	830	19.38	5.907
Apr. 1	1800	24600	697	18.35	5.593

Minimum daily discharge, 845 ft^3/s (23.9 m^3/s) Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3270	1320	3510	2180	3370	3210	23600	3500	3000	2780	1170	1070
2	3460	1400	2850	2310	3560	3090	22800	3340	2750	2240	1070	1080
3	3460	1480	2390	2210	3530	3070	18800	3240	2550	1980	1020	1060
4	3170	1630	2170	2140	3300	3020	15500	3230	2400	1810	975	1080
5	2590	1690	2050	2200	3060	2960	12500	3220	2280	1700	943	1040
6	2170	1750	2180	2290	2860	3220	10600	3140	2160	1610	902	1020
7	2280	1840	2710	2340	2760	3570	10000	2990	2070	1510	902	1030
8	2460	1870	2940	2260	2750	4070	9610	2850	2010	1450	902	1040
9	2300	1710	2840	2180	2750	5590	8370	2790	1960	1540	929	997
10	2100	1620	2520	2120	3130	7840	7040	2770	1870	1580	979	943
11	1900	1840	2250	2110	5010	17800	6720	2710	1780	1530	1120	925
12	1710	2300	2110	2190	6540	28700	6250	2610	1700	1420	1110	952
13	1590	2990	2030	2270	7200	24700	5720	2500	1640	1310	1040	979
14	1530	3180	2000	2360	7150	19400	6310	2420	1580	1240	997	947
15	1480	2910	2000	2380	6020	20700	7740	2390	1550	1190	1020	897
16	1410	2610	2020	2360	4550	22700	9280	2570	1510	1170	1070	860
17	1360	2320	2000	2310	4120	18900	11500	2660	1470	1210	1310	850
18	1330	2060	1940	2370	4100	15100	11200	2750	1430	1250	1440	845
19	1300	1890	1870	3610	3870	12400	9520	3410	1540	1250	1600	1070
20	1290	1790	1830	5310	3600	11200	7710	4080	2100	1330	1860	1270
21	1280	1740	1790	5750	3460	11400	6530	4870	2890	1300	1660	1200
22	1270	1690	1770	5480	3550	11200	5890	6430	3260	1270	1520	1150
23	1270	1660	1760	5740	4350	10500	5190	8480	2950	1210	1310	1140
24	1250	1640	1770	5950	5850	10200	4630	11700	2580	1180	1220	1130
25	1240	1670	1900	6160	6870	9460	4240	12500	2610	1160	1160	1110
26	1240	2420	2010	5470	6640	8460	3990	11600	3420	1190	1110	1070
27	1240	3630	2090	4740	5140	7760	3900	10100	4020	1200	1100	1080
28	1240	4290	2060	4520	3940	7350	4110	8260	3780	1150	1060	1020
29	1230	4260	1980	4210	3450	7950	4000	6630	3640	1170	1010	984
30	1230	3990	1940	3720	---	9820	3730	4720	3490	1230	992	1060
31	1240	---	2000	3420	---	16700	---	3460	---	1250	1050	---
TOTAL	55890	67190	67280	104660	126480	342040	266980	147920	71990	44410	35551	30899
MEAN	1803	2240	2170	3376	4361	11030	8899	4772	2400	1433	1147	1030
MAX	3460	4290	3510	6160	7200	28700	23600	12500	4020	2780	1860	1270
MIN	1230	1320	1760	2110	2750	2960	3730	2390	1430	1150	902	845
CFSM	.62	.77	.75	1.16	1.50	3.80	3.07	1.65	.83	.49	.40	.36
IN.	.72	.86	.86	1.34	1.62	4.39	3.42	1.90	.92	.57	.46	.40

CAL YR 1979 TOTAL 1324753 MEAN 3629 MAX 35700 MIN 825 CFSM 1.25 IN 16.99
WTR YR 1980 TOTAL 1361290 MEAN 3719 MAX 28700 MIN 845 CFSM 1.28 IN 17.46

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.39	2.14	5.73	3.72	5.53	5.30	18.10	5.72	5.01	4.80	1.99	1.72
2	5.65	2.28	4.78	3.93	5.80	5.14	17.88	5.48	4.64	3.94	1.78	1.75
3	5.65	2.45	4.07	3.77	5.76	5.10	16.55	5.35	4.35	3.47	1.66	1.70
4	5.24	2.71	3.70	3.64	5.42	5.02	15.30	5.33	4.11	3.17	1.56	1.75
5	4.39	2.82	3.48	3.74	5.09	4.94	13.85	5.31	3.91	2.96	1.49	1.66
6	3.69	2.92	3.70	3.91	4.81	5.31	12.59	5.20	3.71	2.80	1.40	1.61
7	3.88	3.10	4.58	3.99	4.66	5.81	12.22	4.99	3.55	2.63	1.39	1.63
8	4.18	3.14	4.92	3.85	4.65	6.46	11.92	4.78	3.45	2.53	1.39	1.64
9	3.91	2.85	4.77	3.70	4.64	8.17	10.84	4.70	3.35	2.68	1.45	1.54
10	3.57	2.68	4.28	3.59	5.19	10.35	9.63	4.67	3.18	2.76	1.56	1.42
11	3.21	3.08	3.82	3.58	7.54	15.84	9.32	4.58	3.02	2.67	1.87	1.38
12	2.85	3.91	3.58	3.73	9.14	19.26	8.85	4.43	2.88	2.46	1.86	1.44
13	2.64	4.98	3.44	3.87	9.77	18.35	8.32	4.25	2.77	2.26	1.68	1.50
14	2.53	5.26	3.38	4.01	9.72	16.79	8.91	4.11	2.68	2.13	1.59	1.42
15	2.43	4.87	3.39	4.05	8.61	17.23	10.26	4.06	2.62	2.01	1.65	1.31
16	2.31	4.43	3.43	4.02	7.04	17.87	11.62	4.37	2.55	1.97	1.76	1.24
17	2.21	3.95	3.39	3.93	6.52	16.60	13.22	4.51	2.49	2.07	2.25	1.21
18	2.15	3.49	3.28	4.04	6.49	15.12	13.02	4.65	2.42	2.15	2.49	1.21
19	2.10	3.18	3.15	5.83	6.21	13.78	11.82	5.59	2.62	2.14	2.77	1.68
20	2.08	3.01	3.07	7.89	5.86	12.98	10.24	6.48	3.65	2.30	3.24	2.11
21	2.06	2.90	3.01	8.35	5.66	13.10	9.13	7.40	4.91	2.26	2.88	1.96
22	2.05	2.82	2.96	8.08	5.77	12.99	8.49	9.03	5.46	2.19	2.62	1.86
23	2.03	2.76	2.94	8.34	6.80	12.53	7.77	10.92	5.02	2.06	2.24	1.85
24	2.00	2.73	2.96	8.55	8.44	12.32	7.14	13.36	4.47	2.01	2.06	1.82
25	1.99	2.78	3.20	8.76	9.47	11.80	6.68	13.86	4.50	1.97	1.93	1.78
26	1.98	4.08	3.40	8.06	9.24	10.92	6.36	13.24	5.69	2.02	1.82	1.69
27	1.97	5.88	3.54	7.26	7.69	10.28	6.24	12.26	6.51	2.04	1.81	1.72
28	1.97	6.74	3.48	7.02	6.30	9.91	6.52	10.74	6.22	1.94	1.70	1.58
29	1.96	6.70	3.34	6.64	5.64	10.46	6.38	9.23	6.02	1.99	1.59	1.50
30	1.96	6.36	3.28	6.01	---	12.02	6.03	7.22	5.82	2.11	1.55	1.67
31	1.98	---	3.39	5.60	---	15.69	---	5.67	---	2.15	1.68	---
MEAN	2.97	3.70	3.66	5.34	6.67	11.53	10.51	6.82	4.05	2.47	1.89	1.61
MAX	5.65	6.74	5.73	8.76	9.77	19.26	18.10	13.86	6.51	4.80	3.24	2.11
MIN	1.96	2.14	2.94	3.58	4.64	4.94	6.03	4.06	2.42	1.94	1.39	1.21

WTR YR 1980 MEAN 5.10 MAX 19.26 MIN 1.21

02349500 FLINT RIVER AT MONTEZUMA, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to July 1974, August 1976 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
DEC						
03...	0750	2440	6.9	-3.0	8.0	9.2
FEB						
21...	1040	3470	6.7	22.0	11.0	10.6
MAR						
06...	0820	3160	6.7	20.0	11.0	11.4
APR						
04...	1145	15600	6.4	24.0	17.0	7.9
JUL						
22...	0755	1280	7.1	24.0	27.5	7.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)
DEC						
03...	52	50	22	--	1.4	230
FEB						
21...	44	45	22	--	.4	230
MAR						
06...	47	40	15	--	1.8	<30
APR						
04...	32	150	32	--	.9	55
JUL						
22...	51	30	15	6	.5	<30

DATE	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC							
03...	13	13	.14	.030	--	.120	2.5
FEB							
21...	13	13	.24	.040	--	.030	3.0
MAR							
06...	13	13	.26	<.020	--	.050	[illegible].0
APR							
04...	9	21	.11	<.020	--	.700	6.0
JUL							
22...	17	6	.12	.020	.20	.030	2.0

02349900 TURKEY CREEK AT BYROMVILLE, GA.

LOCATION.--Lat 32°11'44", long 83°54'03", Dooly County, Hydrologic Unit 03130006, on downstream side of bridge on State Highway 90, 0.5 mi (0.8 km) southwest of Byromville, and 11 mi (17.7 km) upstream from mouth.
DRAINAGE AREA.--45 mi^2 (117 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 286 ft (87 m), from topographic map. Prior to June 19, 1958, crest-stage gage at site 50 ft (15 m) upstream at same datum.
REMARKS.--Records fair.
AVERAGE DISCHARGE.--22 years (1958-80), 49.6 ft^3/s (1.40 m^3/s), 14.97 in/yr (380 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,940 ft^3/s (112 m^3/s) Mar. 31, 1970, gage height, 13.30 ft (4.054 m); minimum discharge, 0.1 ft^3/s (0.003 m^3/s) July 28, 1968.
EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft^3/s (11.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 13	1800	*938	26.6	10.68	3.255	Mar. 30	2000	820	23.2	10.48	3.194
Mar. 18	1600	650	18.4	10.14	3.091						

Minimum discharge, 2.2 ft^3/s (0.062 m^3/s) Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	8.8	17	19	51	35	251	32	9.1	19	3.3	6.4
2	18	9.3	16	18	38	29	186	30	8.8	12	3.2	5.7
3	16	9.2	16	17	33	28	153	30	8.3	9.2	3.2	4.0
4	14	8.8	16	18	31	26	158	36	8.0	8.3	3.2	3.9
5	13	8.9	16	20	29	35	193	33	7.7	7.6	2.7	4.1
6	12	8.7	40	19	31	58	124	28	7.6	7.2	2.5	4.0
7	10	8.6	52	18	33	51	103	24	7.5	6.6	2.5	3.9
8	9.6	8.6	32	18	29	53	97	23	7.5	5.5	2.9	4.1
9	9.0	9.2	24	19	29	70	96	22	8.2	4.3	3.3	3.8
10	8.9	16	22	19	53	58	84	20	7.6	4.1	3.4	3.6
11	8.7	80	21	19	51	47	71	18	7.1	4.8	3.4	5.4
12	8.4	52	21	19	38	80	67	17	6.4	5.5	3.2	5.4
13	8.2	22	25	19	35	679	82	15	5.6	4.6	2.7	5.1
14	7.8	17	21	18	32	454	138	14	5.2	4.4	2.9	4.7
15	7.6	17	21	18	29	219	128	15	6.3	4.1	6.9	4.1
16	7.6	16	21	17	38	163	80	15	4.7	4.1	6.9	3.9
17	7.7	16	20	18	61	174	64	15	4.7	3.9	26	6.6
18	7.7	15	19	27	45	527	57	15	4.9	3.9	154	6.9
19	7.8	15	18	29	38	334	118	16	6.4	3.8	92	7.3
20	8.1	14	18	23	36	211	193	17	7.8	3.6	24	7.3
21	8.2	14	17	20	35	216	111	16	7.5	3.7	20	7.4
22	8.1	14	17	20	42	184	83	15	7.4	3.4	15	6.4
23	8.2	15	18	47	58	134	68	16	9.4	8.6	10	5.9
24	8.0	15	20	50	50	131	58	18	17	62	8.5	5.7
25	7.8	16	26	35	41	131	50	16	14	14	10	5.5
26	7.8	38	23	39	34	113	48	14	20	8.2	11	5.4
27	7.7	36	20	56	30	122	55	12	15	4.7	8.9	5.2
28	7.7	22	24	47	32	182	46	11	11	4.1	7.4	5.0
29	7.9	19	19	38	30	295	39	11	17	4.6	7.0	5.7
30	8.1	18	20	35	---	610	35	10	38	3.8	7.1	20
31	8.1	---	21	44	---	490	---	9.4	---	3.5	6.5	---
TOTAL	313.7	567.1	681	823	1112	5939	3036	583.4	295.7	247.1	463.6	172.4
MEAN	10.1	18.9	22.0	26.5	38.3	192	101	18.8	9.86	7.97	15.0	5.75
MAX	36	80	52	56	61	679	251	36	38	62	154	20
MIN	7.6	8.6	16	17	29	26	35	9.4	4.7	3.4	2.5	3.6
CFSM	.22	.42	.49	.59	.85	4.27	2.24	.42	.22	.18	.33	.13
IN.	.26	.47	.56	.68	.92	4.91	2.51	.48	.24	.20	.38	.14

CAL YR 1979 TOTAL 16467.4 MEAN 45.1 MAX 1110 MIN 3.6 CFSM 1.00 IN 13.61
WTR YR 1980 TOTAL 14234.0 MEAN 38.9 MAX 679 MIN 2.5 CFSM .86 IN 11.77

02349900 TURKEY CREEK AT BYROMVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Miscellaneous samples collected during 1971 and 1973. July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
01...	1030	36	6.6	27.0	21.5	6.3
NOV						
05...	1135	9.0	7.6	19.0	13.0	8.6
DEC						
03...	1055	16	7.3	4.5	5.5	8.5
JAN						
08...	1310	17	7.3	15.5	10.5	7.6
APR						
04...	1050	142	6.8	24.0	19.0	7.2
MAY						
19...	1130	16	7.1	29.0	22.0	6.7
JUN						
17...	1120	5.0	7.2	32.0	24.0	4.5
JUL						
22...	1210	3.6	7.1	29.5	24.0	6.5
AUG						
18...	1145	115	6.6	28.0	24.5	5.1
SEP						
16...	1100	4.1	--	34.0	22.0	6.2

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
01...	70	200	92	1.4	2300	23	.23	.040	.130	6.0
NOV										
05...	169	40	6	.2	150	80	.21	<.020	.020	<1.0
DEC										
03...	117	30	14	1.2	230	52	.19	.030	.030	<1.0
JAN										
08...	105	40	15	.9	210	43	.17	.060	.020	2.5
APR										
04...	56	100	25	.9	430	17	.53	.050	.700	4.0
MAY										
19...	118	60	15	1.2	230	51	.30	.040	.020	2.0
JUN										
17...	100	15	7	.4	330	63	.30	.020	.030	1.0
JUL										
22...	140	30	15	.7	2300	59	.32	.040	.040	1.0
AUG										
18...	92	500	190	1.7	--	22	.30	.040	.270	10
SEP										
16...	140	30	5	.5	150	65	.31	.100	.050	1.0

02350001 FLINT RIVER NEAR VIENNA, GA.

LOCATION.--Lat 32°03'38", long 83°58'36", Dooly County, Hydrologic Unit 03100206, at bridge on State Route 27, 0.2 mi (0.3 km) downstream of Turkey Creek, and 12 mi (14.3 km) west of Vienna.
DRAINAGE AREA.--3,390 mi2 (8,780 km2).
PERIOD OF RECORD.--July 1979 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Records of discharge for the water years 1927-30 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV 05...	1115	6.9	16.5	14.5	9.0
JAN 08...	1245	7.0	16.0	10.5	10.2
APR 04...	1030	6.0	22.0	17.5	8.5
JUN 17...	1045	6.5	30.0	28.0	7.8
AUG 18...	1100	6.7	28.5	28.0	5.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CACO3)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 05...	58	50	13	.5	230	18	.03	.030	.030	<1.0
JAN 08...	68	40	17	2.5	150	15	.16	.030	.020	2.5
APR 04...	29	150	34	.9	90	9	.10	<.020	.600	5.0
JUN 17...	77	40	13	4.0	2300	16	.21	<.020	.050	1.0
AUG 18...	63	40	12	1.5	--	12	.06	.020	.020	3.0

02350600 KINCHAFOONEE CREEK AT PRESTON, GA.

LOCATION.--Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State Highway 41, 1 mi (1.6 km) southwest of Preston, and 1 mi (1.6 km) upstream from Harrel Mill Creek.

DRAINAGE AREA.--197 mi2 (510 km2).

PERIOD OF RECORD.--December 1969 to September 1970, November 1971 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water discharge records for the water years 1951-77 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
01...	0915	245	6.3	24.0	21.0	6.9
29...	1230	88	6.2	--	13.5	9.4
NOV						
05...	1010	95	6.8	12.0	11.5	9.7
DEC						
03...	0930	130	6.5	1.0	4.0	9.4
JAN						
08...	1140	145	6.5	15.0	10.0	9.8
APR						
04...	0930	420	6.4	22.0	18.5	7.5
MAY						
19...	1015	210	6.2	28.0	21.5	6.8
JUN						
17...	1000	62	6.2	30.0	23.5	6.7
24...	1130	308	6.5	--	22.5	6.4
JUL						
22...	1005	73	6.5	25.0	25.0	7.6
AUG						
18...	1015	206	6.3	26.0	24.5	6.7
SEP						
16...	1000	40	6.5	31.0	22.5	7.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT										
01...	31	110	21	--	.8	2300	--	--	--	--
29...	34	60	--	7.0	--	--	9	0	2.5	.6
NOV										
05...	30	60	9	--	.7	90	--	--	--	--
DEC										
03...	30	50	12	--	1.1	230	--	--	--	--
JAN										
08...	27	45	15	--	.7	290	--	--	--	--
APR										
04...	30	60	13	--	1.7	750	--	--	--	--
MAY										
19...	32	160	22	--	1.1	930	--	--	--	--
JUN										
17...	31	120	15	--	.8	150	--	--	--	--
24...	27	50	--	15	--	--	8	3	2.7	.4
JUL										
22...	36	150	18	--	.7	110	--	--	--	--
AUG										
18...	27	150	19	--	.2	--	--	--	--	--
SEP										
16...	29	100	11	--	.5	430	--	--	--	--

02350600 KINCHAFOONEE CREEK AT PRESTON, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT 01...	--	--	8	--	--	--	--	--	.08	<.020
29...	1.7	.1	12	1.8	2.9	.0	7.6	32	.09	.000
NOV 05...	--	--	9	--	--	--	--	--	.06	<.020
DEC 03...	--	--	8	--	--	--	--	--	.08	.020
JAN 08...	--	--	6	--	--	--	--	--	.04	.050
APR 04...	--	--	9	--	--	--	--	--	.07	<.020
MAY 19...	--	--	9	--	--	--	--	--	.15	.070
JUN 17...	--	--	8	--	--	--	--	--	.31	<.020
24...	1.4	.9	5	3.5	2.7	.1	6.6	39	.12	.050
JUL 22...	--	--	9	--	--	--	--	--	.24	.040
AUG 18...	--	--	6	--	--	--	--	--	.21	<.020
SEP 16...	--	--	6	--	--	--	--	--	.27	.060

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 01...	--	--	--	--	--	.040	--	--	6.0
29...	.35	.35	.06	.29	.44	.020	.06	.000	3.2
NOV 05...	--	--	--	--	--	<.020	--	--	1.0
DEC 03...	--	--	--	--	--	.020	--	--	<1.0
JAN 08...	--	--	--	--	--	<.020	--	--	1.0
APR 04...	--	--	--	--	--	.030	--	--	5.5
MAY 19...	--	--	--	--	--	.040	--	--	5.0
JUN 17...	--	--	--	--	--	.040	--	--	2.0
24...	.35	.40	.00	--	.52	.060	.18	.030	5.8
JUL 22...	--	--	--	--	--	.040	--	--	4.0
AUG 18...	--	--	--	--	--	.040	--	--	5.0
SEP 16...	--	--	--	--	--	.030	--	--	2.0

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 29...	30	1	0	0	<10	7	60	4	70	<.1	0	60
JUN 24...	50	1	1	0	10	1	450	1	140	.1	0	6

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.

LOCATION.--Lat 31°46'34", long 84°08'22", Lee County, Hydrologic Unit 03130007, at bridge on State Highway 195, 75 ft (23 m) downstream from White Oak Branch, 3.3 mi (5.3 km) downstream from Muckaloochee Creek, and 4.0 mi (6.4 km) northeast of Leesburg.

DRAINAGE AREA.--362 mi^2 (938 km^2).

PERIOD OF RECORD.--December 1979 to September 1980.

GAGE.--Water-stage recorder. Altitude of gage is 220 ft (67 m), from topographic map.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,650 ft^3/s (75.0 m^3/s) Mar. 31, 1980, gage height, 12.12 ft (3.694 m); minimum discharge, 38 ft^3/s (1.08 m^3/s) Aug. 8, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34.0 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 16	1600	1990	56.4	11.36	3.463
Mar. 31	2300	*2650	75.0	12.12	3.694

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 16	2200	1520	43.0	10.70	3.261

Minimum discharge, 38 ft^3/s (1.08 m^3/s) Aug. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	272	373	280	2470	385	180	211	72	127
2			---	254	357	279	2010	333	168	177	67	111
3			---	256	347	279	1530	322	156	158	61	96
4			---	275	322	284	1220	355	146	134	53	85
5			---	295	291	304	1130	329	135	119	49	83
6			---	302	281	417	1090	332	125	107	46	80
7			---	327	287	469	892	326	122	99	46	71
8			---	327	294	590	734	361	119	101	43	69
9			---	331	292	687	695	318	121	150	42	67
10			---	300	313	772	647	287	127	145	49	65
11			---	271	340	819	616	263	130	114	55	66
12			---	248	380	850	578	241	108	104	62	72
13			---	240	394	1460	578	222	97	103	82	79
14			---	244	363	1510	703	205	91	95	99	80
15			285	249	306	1650	1010	199	83	87	98	75
16			328	246	308	1890	1460	196	81	80	108	71
17			323	244	381	1630	1380	211	79	78	123	67
18			297	271	456	1620	977	217	74	86	112	67
19			270	291	468	1730	802	221	73	98	103	86
20			248	307	416	1770	712	251	75	122	107	107
21			234	321	355	1620	646	276	82	123	97	144
22			229	316	320	1450	640	272	105	108	88	168
23			228	391	311	1240	588	316	202	91	87	175
24			228	445	313	1000	512	641	296	116	80	136
25			249	436	347	914	425	697	729	120	69	119
26			262	497	402	797	399	718	850	109	58	112
27			282	578	453	727	463	602	568	98	56	109
28			299	534	422	811	481	451	491	96	54	98
29			302	466	307	1050	477	276	605	101	56	92
30			287	425	---	1960	434	225	338	89	133	110
31			275	400	---	2550	---	197	---	78	156	---
TOTAL			---	10359	10199	33409	26299	10245	6556	3497	2411	2887
MEAN			---	334	352	1078	877	330	219	113	77.8	96.2
MAX			---	578	468	2550	2470	718	850	211	156	175
MIN			---	240	281	279	399	196	73	78	42	65
CFSM			---	.92	.97	2.98	2.42	.91	.61	.31	.22	.27
IN.			---	1.06	1.05	3.43	2.70	1.05	.67	.36	.25	.30

02352500 FLINT RIVER AT ALBANY, GA.

LOCATION.--Lat 31°35'39", long 84°08'39", Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, and at mile 103.4 (166.4 km).

DRAINAGE AREA.--5,310 mi^2 (13,800 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1897 to September 1901 (gage heights only), October 1901 to June 1921, September 1929 to current year. Monthly discharges only for some periods, published in WSP 1304. Gage-height records collected at site 1 mi (1.6 km) downstream since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1902, 1913(M), 1916-17, 1919-21, 1930(m), 1934(m), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 150.03 ft (45.729 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1902, nonrecording gage at site 1 mi (1.6 km) downstream at datum 1.3 ft (0.40 m) lower. Jan. 1, 1902, to June 30, 1921, nonrecording gage at site 1 mi (1.6 km) downstream at datum 2.0 ft (0.61 m) lower.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm^3); and at Warwick Reservoir since 1930, capacity about 35,000 acre-ft (43.2 hm^3). Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--70 years (1901-20, 1929-80), 6,338 ft^3/s (179 m^3/s), 16.21 in/yr (412 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,000 ft^3/s (2,180 m^3/s) Mar. 7, 1966, gage height, 34.72 ft (10.583 m); minimum daily, 327 ft^3/s (9.26 m^3/s) Aug. 24, 1930.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1893, 37.84 ft (11.534 m) Jan. 21, 1925, from floodmark, present site and datum, discharge, 92,000 ft^3/s (2,610 m^3/s) from rating curve extended above 75,000 ft^3/s (2,120 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 20,000 ft^3/s (566 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 15	0530	*39500	1120	25.19	7.678	Apr. 4	1200	36200	1020	23.86	7.273

Minimum daily discharge, 1,220 ft^3/s (34.6 m^3/s) Sept. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3880	3030	4730	5980	7210	5350	29100	6380	5060	4330	1660	1560
2	6810	2160	2560	4090	5740	5930	30400	5450	4800	4810	1390	2450
3	6400	2070	5210	6570	6230	6450	32800	4770	4320	3830	1840	2100
4	5040	2290	5440	3300	6460	5970	35100	4640	4050	2600	1390	1700
5	5060	3270	4680	2600	6010	4830	32800	6090	3210	3290	1690	1470
6	4420	3620	3540	2160	5450	5730	27900	5920	2570	1670	1680	1360
7	3460	2880	3980	3020	5510	5790	22400	5370	2590	1970	2200	1360
8	3620	3030	5460	3150	5020	8870	16500	5260	2690	2750	1940	1370
9	2830	2660	4530	4890	4230	12200	17800	4380	4340	2660	1870	1770
10	2790	2050	6000	3630	6450	16200	14000	4300	2950	2890	1410	1470
11	2750	3680	6620	3480	5400	16700	14200	3410	2610	2870	1270	1250
12	2650	5220	5170	3790	6940	16500	11400	5140	3320	2810	1400	1220
13	3850	6010	2510	2770	10100	25100	12600	5230	3170	1860	1570	1270
14	2900	5930	2720	3920	9430	36500	13600	4520	2450	2130	1640	1270
15	2650	7220	2320	4390	10500	39100	13100	4570	1940	2520	1980	1870
16	2510	4660	2800	3680	11400	35200	17100	3800	1720	2160	1570	1880
17	2030	4830	3160	4220	9130	32400	14000	2970	1540	2140	1490	1530
18	2160	3280	3810	4210	7240	33500	15900	2030	1820	1930	1510	1370
19	2590	3650	3260	3080	6540	34800	17900	4730	2250	1330	2000	1250
20	2070	3640	3150	3940	5990	30300	16000	5470	1910	1760	3020	1240
21	1820	2740	2660	6700	6230	24600	13000	4980	2180	1620	2790	1430
22	1800	2480	2220	6600	5850	21200	12000	6370	6070	1760	2120	2480
23	2740	1940	1900	9710	5790	20600	11000	9310	4020	1770	2110	2610
24	2280	1630	1720	7870	6510	17400	8300	16300	5130	1760	1550	2440
25	2720	2260	1740	9490	9790	18100	8900	15500	4830	1250	1350	2070
26	3080	3100	2260	11000	9610	17600	7500	16300	5370	1270	1410	1660
27	2290	5890	2890	12400	9610	16100	7360	16200	5570	1290	1510	1360
28	1890	6230	2880	9000	9300	14100	7500	15500	5660	1560	1770	1320
29	1880	6230	2770	8940	5120	16100	6460	13100	6020	1340	2080	1300
30	2480	4850	2850	6490	---	20300	6850	7950	5840	1690	1760	1400
31	2840	---	4350	6480	---	27000	---	6720	---	2080	1510	---
TOTAL	96290	112530	109890	171550	208790	589720	493470	222660	110000	69700	54480	48830
MEAN	3106	3751	3545	5534	7200	19020	16450	7183	3667	2248	1757	1628
MAX	6810	7220	6620	12400	11400	39100	35100	16300	6070	4810	3020	2610
MIN	1800	1630	1720	2160	4230	4030	6460	2030	1540	1250	1270	1220
CFSM	.59	.71	.67	1.04	1.36	3.58	3.10	1.35	.69	.42	.33	.31
IN.	.67	.79	.77	1.20	1.46	4.13	3.46	1.56	.77	.49	.38	.34

CAL YR 1979 TOTAL 2249820 MEAN 6164 MAX 40800 MIN 1010 CFSM 1.16 IN 15.76
WTR YR 1980 TOTAL 2287910 MEAN 6251 MAX 39100 MIN 1220 CFSM 1.18 IN 16.03

02352500 FLINT RIVER AT ALBANY, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.87	4.41	5.42	6.17	6.82	5.82	20.79	6.39	5.65	5.13	3.11	2.91
2	6.60	3.66	4.02	5.08	6.03	6.14	21.45	5.89	5.47	5.45	2.80	3.86
3	6.38	3.57	5.73	6.48	6.31	6.41	22.54	5.51	5.18	4.81	3.34	3.49
4	5.67	3.77	5.85	4.49	6.43	6.13	23.44	5.44	4.94	4.01	2.79	3.09
5	5.68	4.61	5.44	4.07	6.16	4.96	22.50	6.24	4.41	4.50	3.14	2.82
6	5.29	4.88	4.70	3.68	5.86	6.03	20.20	6.13	4.06	3.09	3.13	2.67
7	4.70	4.31	4.95	4.28	5.89	6.07	16.90	5.83	4.08	3.44	3.72	2.67
8	4.84	4.44	5.90	4.45	5.59	7.69	12.41	5.79	4.17	4.16	3.43	2.69
9	4.22	4.10	5.40	5.58	5.17	9.55	13.38	5.31	5.29	4.05	3.37	3.16
10	4.18	3.56	6.18	4.75	6.42	12.25	10.61	5.19	4.34	4.20	2.83	2.80
11	4.16	4.85	6.51	4.74	5.82	12.58	10.79	4.71	4.10	4.19	2.66	2.52
12	4.04	5.77	5.73	4.88	6.68	12.42	9.08	5.71	4.59	4.20	2.83	2.47
13	5.03	6.15	3.93	4.23	8.34	18.35	9.75	5.73	4.44	3.35	3.04	2.56
14	4.32	6.13	4.18	5.01	7.99	23.99	10.40	5.31	3.96	3.63	3.12	2.56
15	4.11	6.85	3.84	5.27	8.57	25.05	10.04	5.34	3.45	3.99	3.48	3.27
16	4.00	5.41	4.25	4.81	9.06	23.48	12.88	4.88	3.21	3.62	3.03	3.28
17	3.54	5.50	4.44	5.22	7.84	22.34	10.62	4.36	3.01	3.62	2.94	2.89
18	3.64	4.57	4.90	5.20	6.84	22.78	12.00	3.54	3.31	3.37	2.96	2.69
19	4.07	4.79	4.51	4.47	6.47	23.34	13.46	5.37	3.75	2.74	3.51	2.52
20	3.58	4.82	4.50	5.04	6.17	21.40	12.10	5.89	3.42	3.25	4.38	2.50
21	3.32	4.15	4.14	6.55	6.25	18.30	10.00	5.58	3.63	3.09	4.00	2.76
22	3.21	3.99	3.74	6.50	6.10	16.00	9.44	6.38	6.22	3.26	3.54	3.88
23	4.17	3.43	3.40	8.15	6.04	15.54	8.84	7.93	4.99	3.27	3.55	4.00
24	3.78	3.10	3.22	7.16	6.41	13.13	7.40	12.28	5.67	3.26	2.93	3.84
25	4.15	3.78	3.24	8.01	8.18	13.62	7.70	11.72	5.50	2.60	2.66	3.48
26	4.46	4.30	3.74	8.83	8.06	13.24	7.00	12.30	5.84	2.63	2.73	3.02
27	3.76	6.12	4.34	9.67	8.06	12.17	6.92	12.25	5.94	2.67	2.86	2.67
28	3.39	6.25	4.32	7.76	7.90	10.70	7.00	11.72	5.99	3.02	3.14	2.62
29	3.38	6.28	4.20	7.71	5.54	12.16	6.42	10.12	6.19	2.73	3.46	2.59
30	3.97	5.55	4.24	6.44	---	15.29	6.63	7.21	6.09	3.13	3.15	2.72
31	4.23	---	5.27	6.45	---	19.76	---	6.57	---	3.57	2.86	---
MEAN	4.35	4.77	4.65	5.84	6.79	14.09	12.42	6.86	4.70	3.61	3.18	2.97
MAX	6.60	6.85	6.51	9.67	9.06	25.05	23.44	12.30	6.22	5.45	4.38	4.00
MIN	3.21	3.10	3.22	3.68	5.17	4.96	6.42	3.54	3.01	2.60	2.66	2.47

WTR YR 1980 MEAN 6.18 MAX 25.05 MIN 2.47

02352500 FLINT RIVER AT ALBANY, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
DEC 13...	1525	1770	6.9	25.0	12.5	8.7
APR 08...	1525	16000	6.7	22.0	17.5	8.5
JUN 10...	1510	2490	7.2	31.0	27.0	5.3
AUG 18...	1410	1520	7.3	31.0	31.5	6.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC 13...	65	80	17	.6	1500	21	.25	.020	.060	3.3
APR 08...	60	120	24	2.2	21000	19	.31	.240	.260	9.0
JUN 10...	79	60	13	1.2	230	28	.39	.050	.030	4.5
AUG 18...	79	20	5	.7	--	30	.19	.040	.020	3.0

02352790 FLINT RIVER NEAR PUTNEY, GA.

LOCATION.--Lat 31°26'39", long 84°08'16", Dougherty County, Hydrologic Unit 03130008, at Plant Mitchell intake, and 2.5 mi (4.0 km) south of Putney.

DRAINAGE AREA.--5,340 mi^2 (13,800 km^2), approximately.

PERIOD OF RECORD.--August 1974 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1979 to current year.

REMARKS.--Flow regulated by powerplants at Flint River and Warwick Reservoirs. (See remarks for station 02352500.) Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 31.0°C July 15-18, 1980; minimum, 8.0°C Feb. 4-8, 11-15, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum recorded, 31.0°C July 15-18; minimum, 8.0°C Feb. 4-8, 11-15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
11...	1300	2560	7.6	22.5	21.5	6.9
NOV						
13...	1500	4400	7.5	19.0	18.0	8.6
DEC						
13...	1440	2700	6.9	23.0	13.0	9.0
JAN						
17...	1430	4500	7.5	19.0	11.0	9.9
FEB						
20...	1745	--	7.3	20.0	11.0	10.8
MAR						
05...	1710	--	7.3	17.0	12.0	10.7
APR						
08...	1440	17400	6.8	24.0	17.5	8.7
MAY						
13...	1345	4800	7.2	32.0	23.5	7.8
JUN						
10...	1425	3340	7.3	31.5	27.0	5.3
JUL						
15...	1135	3420	7.1	32.0	31.0	5.0
AUG						
18...	1320	1650	7.3	29.0	30.0	4.2
SEP						
16...	1450	2280	7.5	34.0	29.5	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)
OCT						
11...	104	50	6	--	2.6	3900
NOV						
13...	89	45	10	--	.6	930
DEC						
13...	99	50	15	--	.3	230
JAN						
17...	82	30	6	--	1.0	2100
FEB						
20...	92	60	20	--	1.8	150
MAR						
05...	98	50	17	--	1.7	2300
APR						
08...	65	100	20	--	.6	4300
MAY						
13...	92	45	8	--	.7	430
JUN						
10...	106	50	11	--	.7	930
JUL						
15...	98	30	16	8	1.1	75000
AUG						
18...	126	30	4	10	.7	--
SEP						
16...	111	20	2	8	1.0	55

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA- LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	35	8	.57	.140	--	.090	6.0
NOV 13...	30	10	.31	.180	--	.050	<1.0
DEC 13...	32	7	.38	.180	--	.100	3.3
JAN 17...	27	4	.42	.270	--	.070	<1.0
FEB 20...	29	6	.42	.260	--	.090	5.0
MAR 05...	30	9	.44	.210	--	.100	3.0
APR 08...	21	7	.31	.100	--	.100	5.5
MAY 13...	32	4	.50	.120	--	.060	3.5
JUN 10...	4	7	.48	.230	--	.100	4.0
JUL 15...	34	6	.36	.160	.24	.100	2.0
AUG 18...	43	3	.43	.390	.70	.110	4.0
SEP 16...	37	5	.34	.680	1.0	.180	2.0

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.0	22.0	20.0	19.5	13.5	13.0	11.0	10.0	11.5	10.5	13.5	13.0
2	23.5	22.5	20.5	20.0	13.0	12.5	10.5	10.0	10.0	9.5	13.5	11.5
3	23.5	22.5	20.0	19.5	12.5	11.0	10.0	9.5	10.0	8.5	11.5	10.5
4	23.0	22.5	19.0	18.5	11.0	10.5	10.5	10.0	9.0	8.0	11.5	10.5
5	22.5	22.0	18.5	17.5	11.0	10.0	10.5	10.0	9.0	8.0	12.5	10.5
6	22.0	21.5	18.5	17.5	11.5	10.5	10.0	9.5	9.5	8.0	12.5	11.0
7	22.0	21.5	18.0	17.0	12.0	11.0	10.5	9.5	9.5	8.0	13.0	11.5
8	22.0	21.0	17.5	17.0	11.5	10.5	10.5	9.0	9.5	8.0	14.0	13.0
9	22.0	21.0	18.0	16.5	11.0	10.5	10.5	9.5	9.5	8.5	14.5	14.0
10	22.0	21.0	18.0	17.5	11.0	10.5	11.0	10.0	9.5	8.5	15.5	14.5
11	21.5	20.5	18.0	17.0	11.0	10.5	11.5	11.0	9.5	8.0	15.5	15.0
12	21.5	20.5	18.0	17.5	11.5	11.0	12.0	11.0	9.0	8.0	15.5	14.5
13	21.0	20.0	18.0	17.5	13.0	11.5	12.0	11.5	8.5	8.0	14.5	13.0
14	21.0	20.0	17.5	16.5	13.0	12.5	11.5	11.0	8.5	8.0	13.0	12.5
15	20.0	19.5	16.5	15.5	13.0	13.0	11.0	10.5	9.0	8.0	13.0	12.5
16	20.5	19.5	15.5	14.5	13.0	12.5	11.5	10.0	9.5	9.0	13.0	13.0
17	20.5	19.5	15.5	14.5	12.5	11.5	11.5	11.0	9.5	9.0	13.5	13.0
18	21.0	20.0	15.5	14.5	11.5	11.0	12.0	11.0	10.0	9.0	14.0	13.5
19	21.0	20.0	15.5	15.0	11.5	10.5	12.5	11.5	10.0	8.5	14.5	13.5
20	21.5	20.5	15.5	14.5	10.5	10.0	12.5	12.0	10.5	9.5	15.5	14.5
21	22.0	21.0	16.0	15.0	10.5	10.0	12.0	11.5	12.0	10.0	16.0	15.5
22	22.5	21.5	16.0	15.5	11.0	10.0	12.5	12.0	12.5	11.0	16.0	15.5
23	22.0	21.0	17.0	15.5	11.5	10.5	13.0	12.0	13.5	12.0	16.0	15.5
24	21.0	20.5	17.5	16.5	12.0	11.5	12.0	11.5	14.0	12.5	16.0	15.5
25	20.5	20.0	17.5	17.0	12.0	11.5	11.5	11.0	14.5	13.0	16.5	15.5
26	20.0	19.5	17.5	17.0	12.0	11.0	11.0	11.0	13.5	12.5	16.0	16.0
27	19.5	18.5	17.0	16.5	11.5	10.5	11.5	11.0	12.5	12.0	16.0	15.5
28	19.5	18.5	16.5	16.0	11.5	11.0	12.0	11.0	12.5	11.5	15.5	15.5
29	20.0	18.0	16.0	15.0	11.5	11.0	11.5	11.0	14.0	12.0	15.5	15.5
30	20.0	18.5	14.5	13.5	11.5	11.0	12.5	11.5	---	---	16.0	15.0
31	20.0	19.0	---	---	11.5	11.0	12.0	11.5	---	---	16.5	15.5
MONTH	23.5	18.0	20.5	13.5	13.5	10.0	13.0	9.0	14.5	8.0	16.5	10.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	16.5	16.0	20.0	19.5	25.0	24.5	28.5	27.5	30.0	28.5	29.5	28.0
2	16.5	16.5	20.5	19.5	25.5	24.5	29.0	27.5	---	---	30.0	28.0
3	17.0	16.5	20.5	20.0	26.0	25.0	29.0	28.5	---	---	29.5	28.5
4	18.0	17.0	21.0	20.0	26.0	25.0	29.5	28.0	---	---	29.5	28.0
5	18.0	17.0	21.5	20.5	26.5	25.5	30.0	28.5	---	---	29.0	27.5
6	17.5	17.0	22.0	21.5	26.5	25.5	29.5	28.5	---	---	29.5	28.0
7	17.5	17.0	22.0	21.5	27.0	25.5	29.5	28.0	---	---	29.0	28.0
8	18.0	17.0	22.0	21.5	27.5	25.5	30.0	29.0	---	---	29.0	28.0
9	18.5	17.5	22.0	21.5	28.0	26.5	30.5	29.5	---	---	29.5	28.0
10	18.5	18.0	22.0	21.5	27.0	26.5	30.5	29.0	---	---	29.5	28.0
11	19.0	18.0	23.0	21.5	27.0	25.5	30.5	29.5	---	---	29.0	28.0
12	19.0	18.5	23.5	22.0	27.5	26.0	30.5	30.0	---	---	29.0	28.0
13	19.0	18.5	23.5	23.0	27.5	26.5	30.5	29.0	---	---	29.0	28.0
14	19.0	18.5	24.0	23.0	27.5	26.0	30.5	29.5	---	---	29.0	28.0
15	18.5	17.5	24.0	23.5	27.5	26.0	31.0	30.0	---	---	29.5	28.0
16	18.0	17.0	24.0	23.5	27.5	26.0	31.0	30.0	---	---	29.5	28.5
17	18.0	17.0	23.5	23.0	27.5	26.0	31.0	30.0	---	---	29.0	28.0
18	18.0	17.5	24.0	22.5	28.0	26.0	31.0	29.0	---	---	28.0	27.0
19	18.5	18.0	24.5	22.5	28.0	26.5	30.5	29.5	---	---	28.5	27.5
20	18.5	17.5	24.5	24.5	28.0	26.5	30.0	29.0	---	---	28.5	28.0
21	18.5	18.0	25.0	24.0	27.5	26.5	30.0	28.5	---	---	29.0	28.0
22	19.5	18.5	24.5	24.5	28.0	27.0	30.0	28.5	---	---	30.0	28.5
23	20.0	19.0	24.5	24.5	27.5	27.0	29.5	29.0	---	---	29.5	28.5
24	20.5	19.5	25.0	24.0	27.5	27.0	29.0	28.0	---	---	29.5	28.5
25	20.5	19.5	24.5	24.0	27.5	26.5	28.0	27.5	29.5	28.0	29.5	28.5
26	20.5	20.0	25.0	24.0	26.5	26.0	28.0	27.0	28.5	27.5	29.5	28.0
27	20.5	19.5	24.5	24.5	27.0	26.0	28.5	27.5	28.5	28.0	29.0	28.0
28	20.0	19.5	24.5	24.0	27.5	26.5	28.0	27.5	29.0	27.5	28.0	27.5
29	20.5	19.5	24.5	24.0	27.5	27.0	28.5	27.5	29.0	28.0	27.5	26.0
30	20.0	19.5	24.5	24.0	28.0	27.5	29.0	27.0	29.0	27.5	26.0	25.0
31	---	---	25.0	24.0	---	---	30.0	28.0	29.0	28.0	---	---
MONTH	20.5	16.0	25.0	19.5	28.0	24.5	31.0	27.0	30.0	27.5	30.0	25.0
YEAR	31.0	8.0										

02353000 FLINT RIVER AT NEWTON, GA.

LOCATION.--Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi (1.6 km) downstream from Coolewahee Creek, and at mile 69.5 (111.8 km).
DRAINAGE AREA.--5,740 mi^2 (14,900 km^2), approximately.
PERIOD OF RECORD.--April 1938 to September 1950 (monthly discharge only for some periods, published in WSP 1304), October 1956 to current year.
GAGE.--Water-stage recorder. Datum of gage is 110.20 ft (33.589 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.
REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm^3); and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft (43.2 hm^3). Normal operation of power-plants does not materially affect figures of monthly runoff. Records of chemical analyses for the period Feb. 1968 to June 1979 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--36 years, 7,090 ft^3/s (201 m^3/s), 16.77 in/yr (426 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 66,600 ft^3/s (1,890 m^3/s) Mar. 9, 1966, gage height, 34.9 ft (10.64 m); minimum, 790 ft^3/s (22.4 m^3/s) Oct. 20, Nov. 10, 1940.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 41.3 ft (12.59 m) Jan. 21, 1925, from floodmarks; discharge, 94,000 ft^3/s (2,660 m^3/s).
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 20,000 ft^3/s (566 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 16	2300	*35100	994	24.33	7.416
Apr. 15	2400	34600	980	24.11	7.349

Minimum discharge, 1,590 ft^3/s (45.0 m^3/s) Sept. 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4180	3400	5650	5190	7000	5820	25800	7570	7170	5750	2490	1900
2	5990	3080	3790	4480	7050	5600	27800	6930	5530	4860	2070	2220
3	6430	2630	4020	5400	5440	6010	29100	6650	5810	5110	2050	2740
4	5990	2600	5390	5110	6830	6140	31100	5720	5120	3510	2210	2260
5	5420	3140	5260	3330	6450	5220	33700	6110	4770	4060	2040	2090
6	5220	3780	4330	2920	6070	5430	33700	6940	3800	3150	2270	1830
7	4550	3850	4140	2700	5660	5870	30300	6470	3730	2480	2280	1770
8	4240	3270	5170	3630	5690	7200	24000	6530	3680	3170	2650	1760
9	3800	3600	4820	4370	5130	9270	19200	5330	4280	3500	2400	1880
10	3540	2930	5050	4860	5400	13200	17500	5930	4610	3390	2240	2020
11	3330	3210	6430	3530	6080	15000	15200	4590	3600	3540	1900	1820
12	3420	4430	5700	4350	6320	15300	14200	5050	3930	3540	1830	1630
13	3730	5680	4580	3410	7530	18400	12200	6210	4150	2970	1950	1630
14	4050	5770	3230	3530	8650	24800	14100	5530	3470	2590	2060	1640
15	3170	6350	3120	4500	9030	30000	14000	5350	3140	3090	2360	1740
16	3470	5670	3210	4400	9420	34200	14900	5160	2780	2960	2400	2230
17	2900	5320	3120	3800	9720	34500	15900	4450	2500	2890	2080	2090
18	2550	4720	3950	4640	7830	33000	14700	3630	2440	2680	1990	1900
19	3070	3620	3820	3990	7140	32700	16400	3690	2840	2450	2140	1750
20	2990	4360	3880	3600	6480	33200	17700	6170	2970	2150	2750	1610
21	2470	3980	3380	5370	6410	31300	15700	5640	2690	2320	3660	1650
22	2310	3150	3030	7150	6150	27200	13300	6390	4370	2270	2800	2070
23	2850	3070	2750	7320	6100	23000	11800	7590	5440	2350	2500	2840
24	3010	2350	2330	8120	6160	20500	10700	11500	4930	2390	2320	2840
25	2760	2480	2240	7820	7300	17900	9230	14300	5250	2300	1960	2660
26	3490	2690	2230	8810	8620	18400	8780	14200	5560	1810	1780	2240
27	3380	4730	3030	10700	8650	16900	8510	15000	5640	1950	1860	1920
28	2510	5830	3290	9780	8650	15000	8310	14800	6040	1910	1930	1740
29	2420	6010	3400	8630	7280	14900	8040	13200	5910	2140	2400	1710
30	2640	5020	3290	7710	---	17900	7840	10300	6200	1970	2180	1710
31	3200	---	3510	6790	---	22400	---	8290	---	2420	2090	---
TOTAL	113080	120720	121140	169940	204240	566260	523710	235220	132350	91670	69640	59890
MEAN	3648	4024	3908	5482	7043	18270	17460	7588	4412	2957	2246	1996
MAX	6430	6350	6430	10700	9720	34500	33700	15000	7170	5750	3660	2840
MIN	2310	2350	2230	2700	5130	5220	7840	3630	2440	1810	1780	1610
CFSM	.64	.70	.68	.96	1.23	3.18	3.04	1.32	.77	.52	.39	.35
IN.	.73	.78	.79	1.10	1.32	3.67	3.39	1.52	.86	.59	.45	.39

CAL YR 1979 TOTAL 2340830 MEAN 6413 MAX 37200 MIN 1650 CFSM 1.12 IN 15.17
WTR YR 1980 TOTAL 2407860 MEAN 6579 MAX 34500 MIN 1610 CFSM 1.15 IN 15.60

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

LOCATION.--Lat 31°22'58", long 84°32'32", Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi (3.5 km) upstream from Alligator Creek, and 5.5 mi (8.8 km) upstream from Chickasawhatchee Creek.

DRAINAGE AREA.--620 mi2 (1,610 km2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1905 to December 1907, October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.3 ft (45.811 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Aug. 29, 1905, to Dec. 31, 1907, nonrecording gage at several sites within 450 ft (137 m) of present site at various datums. Oct. 1, 1939, to Nov. 10, 1941, nonrecording gage at site 100 ft (30 m) downstream at present datum.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

AVERAGE DISCHARGE.--43 years, 802 ft3/s (22.7 m3/s), 17.57 in/yr (446 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft3/s (337 m3/s) Jan. 27, 1978, gage height, 15.08 ft (4.596 m); minimum, 116 ft3/s (3.29 m3/s) Sept. 16, 17, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.2 ft (5.24 m), from information by local resident, discharge, 15,500 ft3/s (439 m3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft3/s (85.0 m3/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 14	1600	*7890	223	11.79	3.594	Apr. 1	0700	4790	136	8.49	2.588
Mar. 20	0500	4370	124	7.92	2.414	May 25	1900	4100	116	7.36	2.304

Minimum discharge, 118 ft3/s (3.34 m3/s) Aug. 10-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	376	450	475	756	460	4590	779	607	630	298	325
2	785	362	420	470	767	480	3470	695	563	677	260	380
3	624	335	405	460	762	510	2680	659	525	510	232	400
4	510	312	400	460	695	536	2500	647	480	415	212	264
5	470	298	400	485	636	536	2710	653	430	367	190	224
6	415	277	410	500	618	636	3100	659	415	335	176	205
7	390	269	475	505	612	756	2700	642	395	298	158	190
8	367	256	585	495	618	1050	2000	642	390	277	140	172
9	357	273	653	547	618	1740	1780	797	385	273	128	172
10	344	281	636	612	642	2340	1530	916	362	244	122	158
11	335	330	590	607	683	2650	1480	767	348	224	125	172
12	316	465	505	563	714	2790	1310	642	330	232	172	212
13	312	596	460	568	695	4000	1140	579	303	236	353	228
14	312	683	460	563	647	7240	1420	547	289	236	410	212
15	316	677	485	525	601	5590	1670	536	269	228	312	190
16	312	612	525	495	585	3270	1900	547	273	183	281	172
17	316	505	552	480	568	2500	1870	560	273	169	303	169
18	321	435	563	485	579	2470	1530	545	244	186	321	169
19	312	405	520	510	618	3160	1320	570	232	344	303	224
20	312	400	475	530	618	4080	1170	612	248	395	330	405
21	325	395	450	515	596	3040	1070	827	281	425	303	505
22	339	380	440	495	563	2520	1030	887	343	455	244	485
23	330	380	435	568	552	2130	945	846	435	445	212	348
24	321	380	440	732	585	1750	864	1370	520	362	183	294
25	316	390	470	864	563	1560	779	3420	574	410	165	269
26	316	415	525	1020	525	1640	773	3210	642	525	162	256
27	316	480	563	1140	500	1830	1020	2500	677	430	172	236
28	312	547	525	1180	470	1700	1220	1930	701	415	151	216
29	312	552	485	1170	455	1650	1230	1280	683	450	154	205
30	307	500	460	975	---	2210	957	821	606	380	224	224
31	339	---	465	785	---	3370	---	677	---	330	294	---
TOTAL	11969	12566	15227	19779	17841	70194	51758	30762	12823	11086	7090	7681
MEAN	386	419	491	638	615	2264	1725	992	427	358	229	256
MAX	1010	683	653	1180	767	7240	4590	3420	701	677	410	505
MIN	307	256	400	460	455	460	773	536	232	169	122	158
CFSM	.62	.68	.79	1.03	.99	3.65	2.78	1.60	.69	.58	.37	.41
IN.	.72	.75	.91	1.19	1.07	4.21	3.11	1.85	.77	.67	.43	.46

CAL YR 1979 TOTAL 249235 MEAN 683 MAX 7370 MIN 173 CFSM 1.10 IN 14.95
WTR YR 1980 TOTAL 268776 MEAN 734 MAX 7240 MIN 122 CFSM 1.18 IN 16.13

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1970 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
29...	1430	312	67	6.9	16.0	9.2
JUN						
24...	1345	535	63	7.4	25.0	6.9

DATE	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT										
29...	35	5.0	25	0	8.7	.9	2.4	.1	26	2.6
JUN										
24...	50	14	25	4	8.8	.7	2.1	.8	21	2.3

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT										
29...	4.0	.1	7.7	52	43.8	.45	.010	.33	.34	.09
JUN										
24...	3.9	.1	7.2	70	101	.47	.020	.29	.31	.08

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT										
29...	.25	.79	.020	.06	.000	330	1	0	0	<10
JUN										
24...	.23	.78	.060	.18	.040	60	1	0	0	20

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
29...	2	70	0	2	20	.1	<.1	0	30	1.6
JUN										
24...	0	540	8	0	20	.1	.1	0	0	4.2

02356000 FLINT RIVER AT BAINBRIDGE, GA.

LOCATION.--Lat 30°54'41", long 84°34'48", Decatur County, Hydrologic Unit 03130008, on downstream side of highway bridge on Business Route 27, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, at mile 29.0, and 29.2 mi (47.0 km) upstream from Jim Woodruff Dam.

DRAINAGE AREA.--7,570 mi² (19,600 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1907 to December 1913, October 1928 to September 1971. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to September 1973.

Annual peaks: Water years 1972-76, 1978-80.

Continuous gage-height record: August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.06 ft (17.697 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913, nonrecording gage at same site at datum 0.3 ft (0.09 m) higher. Oct. 1, 1928, to Jan. 14, 1929, nonrecording gage at present site and datum. Auxiliary water-stage recorder at site 6.4 mi (10.3 km) upstream Jan. 15, 1957, to September 1971.

REMARKS.--Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm³); and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft (43.2 hm³). Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--49 years (water years 1908-13, 1929-71), 8,740 ft³/s (248 m³/s), 15.68 in/yr (398 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,200 ft³/s (2,360 m³/s) Mar. 21, 1929, gage height, 37.73 ft (11.500 m); minimum daily discharge, 1,340 ft³/s (37.9 m³/s) Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 40.0 ft, present datum, Jan. 24, 1925, discharge, 101,000 ft³/s (2,860 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s) on basis of slope-conveyance studies.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39,800 ft³/s (1,130 m³/s) Apr. 6, gage height, 25.99 ft (7.922 m).

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.66	18.74	19.69	18.62	19.86	19.79	23.82	20.14	20.10	19.80	18.45	17.50
2	19.66	18.95	19.43	18.83	19.94	19.55	24.41	19.89	19.73	19.65	18.48	17.60
3	19.85	18.97	18.91	18.94	19.62	19.16	24.73	19.84	19.83	19.76	18.06	17.84
4	19.83	18.57	19.16	19.27	19.41	19.16	25.10	19.94	19.89	19.64	17.67	18.05
5	19.64	18.28	19.41	19.27	19.63	19.38	25.54	19.84	19.80	19.53	17.70	18.12
6	19.70	18.61	19.64	18.87	19.80	19.44	25.92	19.90	19.64	19.34	17.81	18.15
7	19.41	18.96	19.60	18.59	19.76	19.62	25.81	19.93	19.71	19.07	17.78	17.78
8	19.11	19.24	19.56	18.68	19.73	20.01	25.07	19.96	19.43	18.96	17.80	17.39
9	19.23	19.46	19.41	18.88	19.77	20.20	23.64	19.88	19.01	19.06	17.94	17.47
10	19.30	19.57	19.05	19.14	19.24	20.46	23.10	19.78	19.16	19.16	17.60	17.65
11	19.34	19.23	19.10	19.34	19.03	21.04	22.33	19.71	19.14	19.31	17.20	17.84
12	19.38	18.99	19.39	19.39	19.34	21.27	22.00	19.57	19.17	19.60	17.26	17.98
13	19.41	19.15	19.49	19.09	19.70	21.58	21.48	19.86	19.26	19.50	17.49	18.11
14	19.14	19.48	19.45	18.82	19.95	22.84	21.48	19.81	19.39	19.50	17.74	17.82
15	18.90	19.73	19.52	19.01	20.00	24.19	21.58	19.71	19.14	19.39	18.09	17.54
16	18.97	19.56	19.05	19.20	20.16	25.27	21.60	19.73	18.87	19.29	18.38	17.59
17	19.12	19.66	18.70	19.27	19.93	25.74	22.01	19.74	18.89	19.14	18.01	17.75
18	19.22	19.65	18.80	19.51	19.57	25.62	21.73	19.78	19.00	19.10	17.57	17.86
19	19.32	19.47	18.94	19.64	19.55	25.44	21.81	19.74	19.09	18.98	17.65	17.89
20	19.42	19.58	19.03	19.52	19.75	25.59	22.18	19.84	19.43	18.61	17.86	17.90
21	18.98	19.59	19.09	19.11	19.74	25.65	22.11	19.91	19.57	18.29	18.15	17.66
22	18.67	19.54	19.11	19.53	19.76	25.12	21.53	20.05	19.29	18.37	18.42	17.41
23	18.77	19.46	18.79	19.84	19.94	24.24	21.16	20.10	19.39	18.49	18.46	17.50
24	18.89	19.39	18.58	19.87	19.55	23.53	20.97	20.28	19.52	18.58	18.11	17.72
25	18.97	18.83	18.76	19.79	19.26	22.82	20.48	21.02	19.81	18.81	17.68	17.87
26	19.05	18.45	18.44	20.05	19.68	22.44	20.52	21.41	19.90	18.98	17.68	17.90
27	19.07	18.64	18.57	20.22	19.96	22.24	20.53	21.50	19.68	18.65	17.73	17.82
28	18.69	19.17	18.79	19.89	20.15	21.89	20.33	21.55	19.78	18.31	17.85	17.57
29	18.37	19.61	18.90	19.89	20.11	21.39	20.38	21.47	19.95	18.30	18.00	17.35
30	18.44	19.73	18.66	19.99	---	21.90	20.17	20.96	19.84	18.39	18.14	17.42
31	18.58	---	18.46	19.93	---	22.90	---	20.38	---	18.40	17.83	---
MEAN	19.16	19.21	19.08	19.35	19.72	22.24	22.45	20.17	19.48	19.03	17.89	17.74
MAX	19.85	19.73	19.69	20.22	20.16	25.74	25.92	21.55	20.10	19.80	18.48	18.15
MIN	18.37	18.28	18.44	18.59	19.03	19.16	20.17	19.57	18.87	18.29	17.20	17.35

WTR YR 1980 MEAN 19.63 MAX 25.92 MIN 17.20

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.

LOCATION.—Lat 30°53'34", long 84°36'38", Decatur County, Hydrologic Unit 03130008, at Bainbridge, 0.8 mi (1.3 km) downstream from State Docks, and at mile 26.5 (42.6 km).
DRAINAGE AREA.—7,570 mi2 (19,600 km2), approximately.
PERIOD OF RECORD.—July 1974 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
11...	0940	7.9	21.0	20.0	8.5
NOV					
13...	1130	7.8	18.5	20.0	6.0
DEC					
13...	1100	7.2	22.0	15.0	6.9
JAN					
17...	1135	7.6	18.0	14.0	8.3
APR					
08...	1150	6.6	25.0	18.0	6.4
MAY					
13...	1030	7.6	30.5	23.0	6.4
JUN					
10...	1125	7.7	31.0	27.0	6.4
JUL					
15...	0840	7.5	30.0	28.5	6.4
AUG					
18...	1030	7.6	29.0	29.5	5.8
SEP					
16...	1235	7.9	34.0	27.5	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CACO3)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
11...	121	45	6	--	230	49	.79	.080	.040	2.0
NOV										
13...	131	30	7	.6	930	48	.81	.080	.090	<1.0
DEC										
13...	87	50	16	.5	430	28	.51	.080	.220	3.0
JAN										
17...	105	25	7	1.3	2200	39	.70	.190	.130	1.0
APR										
08...	63	120	25	.9	2300	22	.26	.040	.070	8.0
MAY										
13...	144	15	10	1.0	90	63	.84	.140	.080	<1.0
JUN										
10...	164	20	14	2.4	150	66	.85	.160	.090	2.5
JUL										
15...	140	20	14	.6	130	59	1.4	.460	.070	2.0
AUG										
18...	150	20	5	.6	--	61	1.1	.490	.130	1.0
SEP										
16...	154	10	2	1.0	<30	67	1.0	.260	.070	1.5

LAKES IN APALACHICOLA RIVER BASIN

02334400 LAKE SIDNEY LANIER.—Lat 34°04'30", long 84°04'20", Forsyth County, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 mi (4.0 km) upstream from bridge on State Highway 20, 4.5 mi (7.2 km) northwest of Buford, Ga., and at mile 348.3 (560.4 km). DRAINAGE AREA, 1,040 mi2 (2,690 km2), approximately. PERIOD OF RECORD, January 1956 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers).

Lake is formed by a rolled-fill earth dam; storage began in January 1956; dam completed in June 1957. Usable capacity, 1,686,000 acre-ft (2,080 hm3) between elevations 1,035 and 1,085 ft (315.5 and 330.7 m). Dead storage, 868,000 acre-ft (1,070 hm3). Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,205,200 acre-ft (2,720 hm3) Apr. 14, 1964, elevation, 1,077.20 ft (328.331 m); minimum, after beginning operation, 1,480,800 acre-ft (1,830 hm3) Dec. 18, 1970, elevation, 1,057.53 ft (322.335 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,157,900 acre-ft (2,660 hm3) March 31, elevation, 1,076.07 ft (327.986 m); minimum, 1,717,200 acre-ft (2,120 hm3) September 27, elevation, 1,064.55 ft (324.475 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	1070.92	1952100	-	-
Oct. 31	1069.54	1899500	-52600	-855
Nov. 30	1070.28	1927600	+28100	+472
Dec. 31	1070.11	1921200	-6400	-104
CAL YR 1979	-	-	+401600	+555
Jan. 31	1070.14	1922300	+1100	+18
Feb. 29	1070.12	1921600	-700	-12
Mar. 31	1075.93	2152100	+230500	+3749
Apr. 30	1072.44	2011400	-140700	-2365
May 31	1071.59	1978200	-33200	-540
June 30	1071.60	1978600	+400	+7
July 31	1069.51	1898400	-80200	-1304
Aug. 31	1066.77	1796800	-101600	-1652
Sept. 30	1065.00	1733100	-63700	-1070
WTR YR 1980	-	-	-219000	-302

02339400 WEST POINT LAKE.—Lat 32°55'05", long 85°11'17", Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 mi (3.7 km) upstream from Oseligee Creek, 3.0 mi (4.8 km) north of West Point, Ga., 3.2 mi (5.1 km) upstream from bridge on U.S. Highway 29, and at mile 201.4 (324.1 km). DRAINAGE AREA, 3,440 mi2 (8,910 km2), approximately. PERIOD OF RECORD, October 1974 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers).

Lake is formed by concrete gravity dam with earth dikes at either side. Spillway, crest elevation, 597 ft (181.97 m) is equipped with six taintor gages 50 ft (15.2 m) wide by 41 ft (12.5 m) high. Storage began Oct. 16, 1974, and lake reached maximum power pool, 635 ft (193.55 m) on June 10, 1975. Total capacity at elevation, 641 ft (195.38 m); maximum flood control pool, 774,800 acre-ft (955 hm3). Capacity at elevation, 635 ft (193.55 m), maximum power pool, 604,500 acre-ft (745 hm3). Dead storage below elevation 620 ft (188.98 m), minimum power pool, 298,400 acre-ft (368 hm3). Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 690,700 acre-ft (852 hm3) April 16, 1979, elevation, 638.17 ft (194.514 m); minimum, since first filling, 350,600 acre-ft (432 hm3), Nov. 3, 1978, elevation, 623.17 ft (189.942 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 666,800 acre-ft (822 hm3) June 26, elevation, 637.32 ft (194.255 m); minimum, 346,600 acre-ft (427 hm3) Sept. 26, elevation, 622.94 ft (189.872 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	635.70	622800	-	-
Oct. 31	634.10	581600	-41200	-670
Nov. 30	628.40	450600	-131000	-2201
Dec. 31	626.40	410200	-40400	-657
CAL YR 1979	-	-	+1[illegible]500	+19
Jan. 31	630.10	487100	+76900	+1251
Feb. 29	626.90	420000	-67100	-1167
Mar. 31	633.70	571600	+151600	+2466
Apr. 30	635.60	620200	+48600	+817
May 31	635.70	622800	+2600	+42
June 30	636.40	641500	+18700	+314
July 31	634.70	596800	-44700	-727
Aug. 31	628.70	456900	-139900	-2275
Sept. 30	624.30	370700	-86200	-1449
WTR YR 1980	-	-	-252100	-348

LAKES IN APALACHICOLA RIVER BASIN--Continued

02341000 LAKE HARDING.--Lat 32°39'46", long 85°05'27", Harris County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 3.3 mi (5.3 km) upstream from Mulberry Creek, 15 mi (24 km) northwest of Columbus, Ga., and at mile 178.0 (286.4 km). DRAINAGE AREA, 4,240 mi² (11,000 km²), approximately. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway, crest elevation, 500.0 ft (152.40 m) is equipped with 19 taintor gates 25 ft (7.62 m) wide by 21 ft (6.40 m) high and two trash gages 11 ft (3.35 m) wide by 9 ft (2.74 m) high. Storage began in 1926; water in reservoir first reached minimum pool elevation in 1926. Total capacity at elevation 521.0 ft (158.80 m), top of gates, is 181,000 acre-ft (223 hm³), of which 136,000 acre-ft (168 hm³) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.................	520.4	177000	-	-
Oct. 31.................	518.3	165000	-12000	-195
Nov. 30.................	519.2	170000	+5000	+84
Dec. 31.................	520.2	176000	+6000	+98
CAL YR 1979	-	-	+13000	+18
Jan. 31.................	518.9	168000	-8000	-130
Feb. 29.................	519.0	169000	+1000	+18
Mar. 31.................	520.6	179000	+10000	+163
Apr. 30.................	520.6	179000	0	0
May 31.................	520.0	175000	-4000	-65
June 30.................	519.4	171000	-4000	-67
July 31.................	520.7	179000	+8000	+130
Aug. 31.................	520.3	177000	-2000	-33
Sept. 30.................	520.4	177000	0	0
WTR YR 1980	-	-	0	0

† Elevation at 0700 on day following that shown in first column.

02343240 WALTER F. GEORGE LAKE.--Lat 31°37'27", long 85°04'03", Clay County, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 mi (2.6 km) upstream from bridge on State Highway 37, 1 mi (1.6 km) north of Ft. Gaines, Ga., and at mile 75.0 (120.7 km). DRAINAGE AREA, 7,460 mi² (19,300 km²), approximately. PERIOD OF RECORD, May 1962 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers).

Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The non-overflow section at the dam includes a powerhouse. Filling began in May 1962. Power operations commenced on Mar. 13, 1963. The spillway, crest elevation, 163.0 ft (49.68 m), is equipped with 14 taintor gates 42 ft (12.80 m) wide by 29 ft (8.84 m) high. Total capacity at elevation 190.0 ft (57.91 m), full summer pool, 934,400 acre-ft (1,150 hm³), of which 244,400 acre-ft (301 hm³) between elevations 190.0 and 184.0 ft (57.91 and 56.08 m), minimum pool, is controlled storage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 993,700 acre-ft (1,230 hm³) May 20, 1969, elevation, 191.28 ft (58.302 m); minimum, after first filling, 660,400 acre-ft (814 hm³) Apr. 23, 1965, elevation, 183.17 ft (55.830 m).

EXTREMES FOR CURRENT YEAR: Maximum contents 977,700 acre-ft (1,210 hm³) Mar. 30, 31, elevation, 190.94 ft (58.199 m); minimum, 733,900 acre-ft (905 hm³) Sept. 17, elevation, 185.18 ft (56.443 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.................	189.10	894400	-	-
Oct. 31.................	188.10	851300	-43100	-701
Nov. 30.................	187.80	838700	-12600	-212
Dec. 31.................	187.40	821900	-16800	-273
CAL YR 1979	-	-	-21000	-29
Jan. 31.................	187.90	842900	+21000	+342
Feb. 29.................	188.70	876900	+34000	+612
Mar. 31.................	190.50	957200	+80300	+1306
Apr. 30.................	189.00	890000	-67200	-1129
May 31.................	189.70	920900	+30900	+503
June 30.................	189.00	890000	-30900	-519
July 31.................	186.80	797400	-92600	-1506
Aug. 31.................	185.90	761700	-35700	-581
Sept. 30.................	185.60	750000	-11700	-197
WTR YR 1980	-	-	-144400	-199

LAKES IN APALACHICOLA RIVER BASIN--Continued

02357500 LAKE SEMINOLE.--Lat 30°42'33", long 84°51'45", Gadsden County, Fla., Hydrologic Unit 03130004, on right upstream lock wall of Jim Woodruff Dam on Chattahoochee River, 0.6 mi (1.0 km) upstream from bridge on U.S. Highway 90, and 1.5 mi (2.4 km) northwest of Chattahoochee, Fla. DRAINAGE AREA, 17,100 mi^2 (44,300 km^3), approximately. PERIOD OF RECORD, October 1954 to current year. Prior to October 1959, published as Jim Woodruff Reservoir at Chattahoochee. REVISIONS, WSP 1554: 1955-57. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers). Prior to July 22, 1957, nonrecording gage at same site at datum 53.96 ft (16.45 m) higher; gage readings have been reduced to elevations above mean sea level.

Lake is formed by earthfill dam with concrete fixed-crest spillway, a center channel spillway with 16 vertical lift gates 40 ft (12.2 m) long and 30.5 ft (9.30 m) high, and a side channel navigation lock 82 ft (25 m) wide. Gates closed on May 20, 1954; filling of pool accomplished in several stages between that date and Feb. 4, 1957, when the pool first reached normal operating level, 77.0 ft (23.47 m). Total capacity at elevation 77.0 ft (23.47 m), normal pool, is 367,300 acre-ft (453 hm^3), of which 36,170 acre-ft (44.6 hm^3) between elevations 77.0 and 76.0 ft (23.47 and 23.16 m) is used for pondage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 433,000 acre-ft (534 hm^3) Apr. 7, 8, 1960, elevation, 78.66 ft (23.976 m); minimum after Feb. 4, 1957, 272,100 acre-ft (335 hm^3) Nov. 27, 1978, elevation, 74.18 ft (22.610 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 399,400 acre-ft (492 hm^3) Dec. 15, elevation, 77.83 ft (23.723 m); minimum, 302,500 acre-ft (373 hm^3) Aug. 11, elevation, 75.15 ft (22.906 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30................	77.64	391900	-	-
Oct. 31................	76.80	359900	-32000	-520
Nov. 30................	77.64	391900	+32000	+538
Dec. 31................	76.45	347100	-44800	-729
CAL YR 1979	-	-	-1100	-2
Jan. 31................	77.65	392300	+45200	+735
Feb. 29................	77.72	395000	+2700	+47
Mar. 31................	77.64	391900	-3100	-50
Apr. 30................	77.34	380200	-11700	-197
May 31................	77.51	386800	+6600	+107
June 30................	77.63	391500	+4700	+79
July 31................	76.49	348500	-43000	-699
Aug. 31................	75.75	322500	-26000	-423
Sept. 30................	75.64	318800	-3700	-62
WTR YR 1980	-	-	-73100	-101

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 mi (0.8 km) downstream from State Highway 5, 2 mi (3.2 km) southwest of Ellijay, and 2.2 mi (3.5 km) downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--236 mi2 (611 km2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to December 1949, occasional low-flow measurements 1959, 1961-62. June 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft (370.649 m) National Geodetic Vertical Datum of 1929. Prior to June 10, 1940, nonrecording gage at site 0.5 mi (0.8 km) upstream at datum 8.04 ft (2.45 m) higher.

REMARKS.--Records good except those for period of no gage-height record, Apr. 2-14, which are fair. Records of chemical analyses for the period March 1968 to March 1972 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--28 years (1938-49, 1963-80), 530 ft3/s (15.0 m3/s), 30.50 in/yr (775 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft3/s (481 m3/s) Oct. 4, 1964, gage height, 17.63 ft (5.374 m); minimum, 101 ft3/s (2.68 m3/s) several days in October 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1938, 20.7 ft (6.31 m) Mar. 19, 1951, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft3/s (99.1 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Mar. 8	0130	6260	177	7.81	2.380
Mar. 17	2000	5110	145	6.69	2.039
Mar. 21	0445	*8090	229	9.64	2.938
Apr. 13	--	unknown		unknown	

Minimum discharge, 185 ft3/s (5.24 m3/s) Sept. 17, gage height, 1.32 ft (0.402 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	349	542	423	723	509	1450	852	756	453	278	356
2	345	612	514	413	625	515	1350	818	705	439	273	284
3	320	485	487	396	585	487	1250	794	669	430	272	269
4	401	401	476	450	552	492	1280	769	646	426	271	269
5	444	364	467	467	527	964	1250	760	625	416	274	270
6	365	343	460	430	533	820	1200	757	619	402	260	270
7	338	329	450	421	511	1130	1150	752	612	400	262	261
8	315	317	430	472	498	4530	1150	803	593	387	252	235
9	305	333	417	459	617	2400	1110	706	574	379	249	226
10	313	1690	409	444	716	1560	1070	673	565	374	253	220
11	303	1180	405	494	608	1190	1030	657	553	426	306	216
12	295	923	400	629	571	1300	1650	646	538	379	369	213
13	285	675	446	543	544	1790	1450	637	534	364	289	202
14	276	556	471	526	529	1290	2900	651	530	344	270	202
15	269	497	419	494	533	1070	2250	664	517	338	259	196
16	268	465	403	471	1150	975	1650	630	512	332	255	192
17	268	439	391	495	918	2720	1350	818	592	327	251	192
18	264	420	380	597	728	3070	1250	1010	540	320	243	216
19	260	406	370	586	656	2130	1200	968	520	307	241	202
20	259	391	365	534	655	2590	1150	1560	500	294	250	252
21	259	378	360	506	625	5400	1100	1170	485	286	240	283
22	255	366	360	1010	599	3050	1050	943	478	278	230	234
23	373	392	360	1470	575	2650	1000	1410	476	339	224	220
24	306	1240	429	887	551	2400	960	1510	619	330	252	241
25	273	1230	489	714	535	2100	920	1190	929	297	274	527
26	261	1780	426	632	520	1800	1400	991	643	296	244	394
27	255	1010	401	591	510	1550	1150	868	517	403	232	274
28	255	770	386	553	510	1950	1050	798	481	406	224	382
29	306	644	377	526	502	2400	970	859	490	315	225	616
30	554	580	417	560	---	2050	900	1040	499	296	268	777
31	384	---	414	1040	---	1650	---	826	---	283	257	---
TOTAL	9744	19565	13121	18233	17706	58532	38640	27530	17317	11066	8047	8691
MEAN	314	652	423	588	611	1888	1288	888	577	357	260	290
MAX	554	1780	542	1470	1150	5400	2900	1560	929	453	369	777
MIN	255	317	360	396	498	487	900	630	476	278	224	192
CFSM	1.33	2.76	1.79	2.49	2.59	8.00	5.46	3.76	2.45	1.51	1.10	1.23
IN.	1.54	3.08	2.07	2.87	2.79	9.23	6.09	4.34	2.73	1.74	1.27	1.37

CAL YR 1979 TOTAL 247225 MEAN 677 MAX 7310 MIN 247 CFSM 2.87 IN 38.97
WTR YR 1980 TOTAL 248192 MEAN 678 MAX 5400 MIN 192 CFSM 2.87 IN 39.12

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to March 1972, December 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
04...	0825	315	16.0	28	24
NOV					
16...	1005	465	7.5	8	10
FEB					
13...	1415	540	4.5	5	7.3
APR					
30...	0900	894	12.0	16	39
JUN					
12...	1115	540	17.5	12	17
JUL					
24...	0900	306	21.0	29	24

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°34'13", long 84°28'08", Gilmer County, Hydrologic Unit 03150102, on right bank 25 ft (7.6 m) upstream from culvert on county road, 3.6 mi (5.8 km) upstream from mouth, and 4.5 mi (7.2 km) northeast of Talking Rock.

DRAINAGE AREA.--9.99 mi^2 (25.9 km^2).

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,320 ft (402 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Apr. 13-29, which are fair.

AVERAGE DISCHARGE.--6 years, 21.4 ft^3/s (0.61 m^3/s), 29.09 in/yr (739 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,160 ft^3/s (89.5 m^3/s) May 29, 1973, gage height, 16.96 ft (5.169 m), from floodmarks; minimum discharge, 4.2 ft^3/s (0.119 m^3/s) Oct. 4-6, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft^3/s (8.50 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 7	2300	839	23.8	6.54	1.993	Mar. 21	0145	*1220	34.6	8.16	2.487
Mar. 17	1415	1060	30.0	7.50	2.286	Apr. 13	unknown	464	13.1	4.61	1.405

Minimum discharge, 4.3 ft^3/s (0.12 m^3/s) Sept. 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	11	17	14	29	18	46	31	22	13	7.7	7.2
2	8.6	23	15	13	24	17	43	29	21	12	7.6	7.0
3	8.2	14	15	13	22	17	41	28	20	12	7.4	6.6
4	14	12	14	15	21	16	39	27	19	12	7.7	6.3
5	12	11	14	15	19	60	36	26	18	12	7.8	7.6
6	10	11	14	14	20	34	35	25	18	11	7.0	6.9
7	9.0	10	13	14	18	123	34	27	18	11	6.7	6.0
8	9.5	10	13	15	18	229	39	26	17	11	6.5	5.6
9	9.0	10	12	15	38	68	35	24	17	10	6.2	5.4
10	9.5	78	12	14	39	44	33	23	17	10	6.4	5.4
11	9.5	53	12	19	25	34	31	22	16	10	30	5.3
12	9.0	33	12	20	21	65	70	22	16	9.6	12	5.1
13	8.7	21	14	17	19	89	230	21	16	9.2	8.7	5.1
14	8.6	16	13	18	18	49	140	22	15	9.0	8.1	5.0
15	8.6	15	12	16	18	38	90	21	15	9.0	7.8	4.9
16	8.7	14	11	16	68	33	75	20	15	8.8	7.8	5.1
17	8.5	13	11	21	34	253	60	35	16	8.9	7.7	6.1
18	8.5	12	11	28	25	122	52	26	16	9.2	7.5	6.6
19	8.4	12	11	25	23	72	46	56	15	8.4	8.1	6.3
20	8.5	11	10	21	22	101	43	67	14	8.1	7.6	6.6
21	8.6	11	10	19	20	280	41	37	14	8.0	6.9	6.4
22	8.6	11	10	83	19	83	40	31	14	8.1	6.6	6.4
23	15	16	10	70	18	64	38	78	15	11	6.8	6.3
24	10	70	15	36	17	80	36	83	21	8.6	8.4	9.5
25	9.5	68	13	27	17	63	35	46	25	8.2	7.5	17
26	9.3	69	12	23	17	53	50	33	16	8.7	6.8	7.4
27	9.0	33	11	21	16	47	70	28	14	13	6.5	6.2
28	9.0	23	11	19	16	94	45	26	14	10	6.2	14
29	16	19	11	18	16	69	37	26	14	8.8	7.6	16
30	22	17	13	26	---	61	34	24	13	8.3	8.5	23
31	12	---	12	51	---	52	---	23	---	8.0	7.2	---
TOTAL	314.8	727	384	736	677	2428	1644	1013	501	304.9	255.3	232.3
MEAN	10.2	24.2	12.4	23.7	23.3	78.3	54.8	32.7	16.7	9.84	8.24	7.74
MAX	22	78	17	83	68	280	230	83	25	13	30	23
MIN	8.2	10	10	13	16	16	31	20	13	8.0	6.2	4.9
CFSM	1.02	2.42	1.24	2.37	2.33	7.84	5.49	3.27	1.67	.99	.83	.78
IN.	1.17	2.71	1.43	2.74	2.52	9.04	6.12	3.77	1.87	1.14	.95	.86

CAL YR 1979 TOTAL 9198.9 MEAN 25.2 MAX 650 MIN 8.2 CFSM 2.52 IN 34.25
WTR YR 1980 TOTAL 9217.3 MEAN 25.2 MAX 280 MIN 4.9 CFSM 2.52 IN 34.32

02382200 TALKING ROCK CREEK NEAR HINTON, GA.

LOCATION.--Lat 34°31'22", long 84°36'40", Pickens County, Hydrologic Unit 03150102, on left bank 300 ft (91 m) downstream from Scarecorn Creek, and 3.3 mi (5.3 km) northwest of Hinton.

DRAINAGE AREA.--119 mi2 (308 km2), revised.

PERIOD OF RECORD.--November 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft (271 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 232 ft3/s (6.57 m3/s), 26.48 in/yr (673 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft3/s (399 m3/s) Mar. 4, 1979, gage height, 14.18 ft (4.322 m); minimum, 34 ft3/s (0.96 m3/s) Sept. 28-30, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft (4.709 m), from floodmarks; discharge, 18,400 ft3/s (521 m3/s) from rating curve extended above 3,100 ft3/s (87.8 m3/s) on basis of slope-area measurements at gage heights 8.66 and 15.45 ft (2.640 and 4.709 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft3/s (70.8 m3/s), revised, and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 8	0015	6790	192	10.14	3.091
Mar. 17	1600	6760	191	10.07	3.069
Mar. 21	0315	*7090	201	10.16	3.097
Apr. 13	1845	5640	160	9.06	2.761

Minimum discharge, 44 ft3/s (1.25 m3/s) Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	138	191	170	319	187	575	374	230	157	95	56
2	130	390	175	169	260	200	517	355	223	148	91	54
3	123	211	164	160	226	179	482	342	219	143	87	53
4	171	166	160	177	207	182	472	330	212	143	88	52
5	185	148	158	185	192	639	436	320	201	137	93	64
6	161	138	152	175	194	493	415	318	200	134	84	76
7	145	133	152	171	183	880	405	312	196	133	77	54
8	133	126	145	193	177	3250	445	337	186	130	74	50
9	114	129	139	185	269	990	457	304	180	125	69	49
10	110	1130	138	176	398	579	396	292	175	121	66	48
11	101	689	137	200	305	419	372	285	170	120	140	48
12	98	485	137	270	258	672	764	281	164	117	167	47
13	95	312	152	236	228	1240	1860	278	159	110	95	46
14	92	235	166	229	213	656	1610	284	160	103	82	46
15	91	189	148	213	206	486	848	285	158	104	74	45
16	90	173	143	184	493	418	612	270	161	103	73	45
17	90	156	137	230	373	2590	520	406	192	102	70	46
18	90	147	134	308	288	1660	484	409	220	103	67	55
19	88	140	133	311	252	967	457	611	195	96	68	49
20	88	135	132	264	248	1140	440	828	149	88	68	50
21	89	132	129	238	230	3340	414	491	161	89	63	49
22	88	128	128	703	217	1190	390	375	159	88	59	48
23	153	132	128	959	207	910	376	873	165	111	53	48
24	111	787	153	420	196	993	363	927	221	101	62	48
25	99	620	180	310	191	805	354	514	248	146	83	127
26	95	740	153	255	181	672	557	378	208	130	63	82
27	93	381	144	229	180	590	688	315	166	174	55	56
28	91	281	137	187	180	1180	482	285	166	193	53	88
29	122	236	133	185	176	958	442	265	168	121	52	183
30	268	201	158	193	---	778	400	258	171	111	66	245
31	148	---	163	517	---	656	---	240	---	101	61	---
TOTAL	3687	9008	4599	8402	7047	29899	17033	12142	5583	3782	2398	2007
MEAN	119	300	148	271	243	964	568	392	186	122	77.4	66.9
MAX	268	1130	191	959	493	3340	1860	927	248	193	167	245
MIN	88	126	128	160	176	179	354	240	149	88	52	45
CFSM	1.00	2.52	1.24	2.28	2.04	8.10	4.77	3.29	1.56	1.03	.65	.56
IN.	1.15	2.82	1.44	2.63	2.20	9.35	5.32	3.80	1.75	1.18	.75	.63

CAL YR 1979 TOTAL 99967 MEAN 274 MAX 6890 MIN 80 CFSM 2.30 IN 31.25
WTR YR 1980 TOTAL 105587 MEAN 288 MAX 3340 MIN 45 CFSM 2.42 IN 33.01

02382500 COOSAWATTEE RIVER AT CARTERS, GA.

LOCATION.—Lat 34°36'13", long 84°41'44", Murray County, Hydrologic Unit 03150102, on downstream side of left bank pier of bridge on U.S. Highway 411 at Carters, 200 ft (61 m) upstream from Louisville & Nashville Railroad bridge, 0.4 mi (0.6 km) downstream from Carters re-regulation dam, and 0.6 mi (1.0 km) downstream from Talking Rock Creek.

DRAINAGE AREA.—521 mi^2 (1,350 km^2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1896 to December 1908, October 1918 to September 1923, October 1961 to August 1972, October 1974 to current year.

GAGE.—Water-stage recorder. Datum of gage is 650.67 ft (198.324 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 2.00 ft (0.61 m) higher.

REMARKS.--Records good. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—33 years (1896-1908, 1918-23, 1961-71, 1974-80), 1,255 ft^3/s (35.5 m^3/s), 32.71 in/yr (831 mm/yr), adjusted for storage since 1975.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge observed, 28,500 ft^3/s (807 m^3/s) Nov. 19, 1906, gage height, 30.6 ft (9.33 m), present datum; minimum daily, 122 ft^3/s (3.46 m^3/s), regulated Nov. 15, 1974; minimum discharge observed prior to regulation, 184 ft^3/s (5.21 m^3/s) several days during September to November 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 29 or 30, 1951, reached a stage of about 36 ft (11.0 m), from floodmarks; discharge, 57,000 ft^3/s (1,610 m^3/s), from rating curve extended above 24,000 ft^3/s (680 m^3/s).

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 5,080 ft^3/s (144 m^3/s) Mar. 28, gage height, 13.14 ft (4.005 m); minimum daily, 229 ft^3/s (6.49 m^3/s) Sept. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1260	455	2440	586	2140	1290	4320	1920	1520	778	486	352
2	495	1670	605	733	1540	1230	4420	2500	2270	738	469	398
3	440	832	1650	902	1520	467	4360	2660	2610	896	415	363
4	689	1040	1090	1130	1230	737	4340	1470	2570	854	371	353
5	1160	572	954	900	1140	1910	4360	1580	977	769	365	340
6	720	1090	1280	985	1100	2100	4340	2210	684	590	434	345
7	682	495	455	714	1070	1620	4440	2020	1050	1040	424	333
8	859	447	1000	1300	947	2240	4350	1930	1700	536	426	431
9	878	510	783	680	1470	2270	4400	1910	1180	520	401	524
10	477	1810	1030	727	1390	3170	3860	1840	822	540	567	517
11	409	1800	1040	1580	1470	3520	2930	917	1290	534	709	411
12	504	867	804	744	1610	3870	2290	1360	988	541	956	353
13	496	1340	980	1620	769	3620	2650	1880	961	515	787	341
14	409	2330	964	1020	907	3620	2480	1920	817	767	393	321
15	633	2780	1090	1310	1870	3550	2460	1670	1260	756	462	313
16	568	2750	1020	701	1760	3500	2500	1520	1190	477	694	345
17	525	832	1100	1300	2160	3110	3060	1470	668	782	595	376
18	580	702	1210	1500	1450	2300	3380	1450	915	920	427	390
19	443	1530	1200	996	1910	1850	3320	2050	1190	599	346	325
20	401	764	1230	826	1290	2470	3280	2560	755	687	353	313
21	464	502	812	1260	1530	2730	3290	2590	694	698	380	296
22	735	510	426	1610	1220	2780	3360	2570	887	478	398	282
23	531	640	396	2710	1090	2950	3660	2510	1450	484	368	271
24	470	1830	379	2690	947	3490	3970	1780	844	497	297	229
25	477	1700	385	2600	1390	4170	3360	1500	1360	513	306	471
26	787	769	627	994	1020	4320	2490	1480	1510	624	349	1750
27	574	1530	1210	1550	1280	4270	1990	2220	850	855	321	346
28	572	2260	1770	852	846	4400	2050	2920	638	577	321	600
29	591	2650	1880	1400	1030	4360	1670	3340	602	1280	324	1300
30	1420	2730	989	1130	---	4370	1750	3480	1100	664	324	1720
31	1120	---	1060	1440	---	4350	---	1760	---	577	260	---
TOTAL	20369	39737	31859	38490	39096	90634	99130	62987	35352	21086	13728	14709
MEAN	657	1325	1028	1242	1348	2924	3304	2032	1178	680	443	490
MAX	1420	2780	2440	2710	2160	4400	4440	3480	2610	1280	956	1750
MIN	401	447	379	586	769	467	1670	917	602	477	260	229
MEAN†	634	1399	859	1278	1319	4024	2602	1814	1065	667	446	505
CFSM†	1.22	2.69	1.65	2.45	2.53	7.72	4.99	3.48	2.04	1.28	0.86	0.97
IN.†	1.40	3.00	1.90	2.83	2.73	8.90	5.57	4.01	2.28	1.48	0.99	1.08

CAL YR 1979 TOTAL 530884 MEAN 1454 MAX 4730 MIN 212 MEAN† 1468 CFSM† 2.82 IN.† 38.25
WTR YR 1980 TOTAL 507177 MEAN 1386 MAX 4440 MIN 229 MEAN† 1385 CFSM† 2.66 IN.† 36.18

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1968 to September 1974.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: April 1978 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 26.0°C July 23,24, 1978, Aug. 24, 1980; minimum, 2.5°C Feb. 3, 1980.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 26.0°C Aug. 24; minimum, 2.5°C Feb. 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.5	21.5	18.5	17.5	13.0	9.0	9.5	7.5	7.0	6.0	7.5	6.5
2	22.0	21.5	17.5	17.0	9.0	6.0	9.5	7.0	6.5	5.5	6.5	5.0
3	22.0	21.5	17.5	15.5	12.5	5.5	9.5	8.5	6.5	2.5	6.0	4.0
4	21.5	20.5	16.5	14.0	12.0	8.0	9.5	9.0	7.5	3.5	7.0	6.0
5	21.0	20.5	15.5	12.5	11.0	8.0	9.0	8.5	7.0	4.5	7.0	6.5
6	20.5	19.0	16.0	13.5	11.5	9.5	8.5	6.5	6.5	6.0	7.5	6.5
7	19.5	18.5	16.0	15.5	11.0	9.5	7.5	5.0	6.5	6.0	8.5	6.5
8	21.0	17.5	16.0	15.5	11.5	10.0	8.5	7.5	6.5	6.0	9.5	7.5
9	20.5	19.0	16.5	16.0	10.0	9.5	8.5	8.0	6.5	6.0	11.5	9.0
10	20.0	17.5	16.5	15.5	11.0	6.5	8.5	8.5	6.0	3.5	11.0	8.0
11	19.5	18.0	15.5	14.5	11.5	7.5	9.0	7.5	7.0	4.0	8.5	7.0
12	19.5	17.0	14.5	13.0	11.5	9.5	8.5	8.5	6.5	6.0	7.5	7.0
13	19.0	17.5	14.5	13.0	12.0	11.5	8.5	7.0	6.5	6.0	8.0	7.5
14	17.5	16.0	15.5	13.0	11.5	10.5	8.5	6.5	6.5	6.0	8.0	7.5
15	19.5	15.5	15.5	14.5	11.5	11.0	9.0	7.5	7.0	5.0	9.5	7.5
16	19.0	16.5	15.0	14.0	11.0	10.0	9.0	8.5	7.0	6.0	9.5	8.5
17	19.0	16.5	14.5	13.5	10.5	8.0	9.0	9.0	6.0	5.0	11.5	8.5
18	19.5	18.0	13.5	12.5	10.5	10.0	9.5	9.0	6.5	4.5	11.0	9.0
19	19.5	19.0	14.0	11.0	10.5	9.0	9.0	9.0	6.5	5.5	10.0	9.0
20	20.0	19.0	15.0	11.5	10.5	9.0	9.0	9.0	6.5	5.5	10.0	9.0
21	20.5	19.5	15.5	14.5	10.0	9.5	9.0	9.0	7.0	6.5	10.5	9.0
22	20.5	19.0	15.5	15.0	10.5	10.0	9.0	8.5	8.0	7.0	10.5	10.0
23	20.0	19.5	15.5	15.0	10.0	9.5	9.0	8.0	8.5	7.5	10.5	10.0
24	19.0	18.5	15.0	14.5	10.0	9.5	8.5	7.5	11.5	8.0	10.0	9.5
25	18.5	17.5	15.0	14.5	9.5	9.0	8.5	7.0	11.5	6.5	10.5	9.5
26	17.5	16.5	15.0	14.5	9.0	8.0	8.5	8.5	6.5	6.0	10.5	9.0
27	17.0	15.5	14.5	14.0	9.5	8.5	8.5	8.0	7.0	5.5	10.0	9.0
28	16.5	15.0	14.5	12.5	10.0	9.0	8.5	7.5	8.0	6.0	10.5	10.0
29	17.5	15.5	14.0	10.5	10.0	9.5	8.5	8.0	7.5	7.0	11.0	10.0
30	18.0	17.5	13.5	11.0	10.0	9.5	8.0	7.5	---	---	11.5	10.0
31	18.5	17.0	---	---	9.5	8.0	7.5	6.5	---	---	11.5	9.5
MONTH	22.5	15.0	18.5	10.5	13.0	5.5	9.5	5.0	11.5	2.5	11.5	4.0

02382500 COOSAWATTEE RIVER AT CARTERS, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.0	9.5	14.0	13.0	19.0	17.0	20.0	19.0	23.0	22.5	25.5	24.5
2	11.0	10.0	14.0	13.5	19.0	17.0	20.5	19.5	23.0	22.5	25.0	24.5
3	11.5	10.5	15.0	14.0	18.0	17.0	20.5	19.5	23.5	22.5	25.0	24.0
4	11.5	9.5	16.5	14.5	18.5	17.0	20.5	20.0	23.0	22.5	25.0	24.5
5	10.5	9.5	17.0	14.5	18.0	17.0	20.5	20.0	23.0	22.5	25.0	24.5
6	12.5	10.0	14.5	14.0	18.5	17.0	20.5	19.5	23.5	23.0	25.0	24.0
7	12.0	11.0	15.5	14.0	17.5	17.0	22.0	20.0	23.5	22.5	25.0	24.0
8	12.0	11.5	15.0	14.0	18.5	17.5	21.0	20.0	23.5	22.5	25.5	24.5
9	12.0	11.0	15.0	14.0	21.5	16.5	21.0	20.0	23.5	23.0	25.5	24.5
10	12.0	11.0	16.0	14.5	19.0	16.0	20.5	20.0	24.5	23.5	25.0	24.5
11	12.5	11.0	16.5	15.5	18.5	17.0	21.0	20.5	24.5	23.0	25.5	24.0
12	12.5	12.0	16.5	15.0	19.0	17.0	21.0	20.5	23.5	23.0	25.0	24.5
13	13.5	12.0	16.0	15.0	19.0	17.5	21.0	20.5	24.0	23.0	25.0	24.5
14	13.5	11.0	16.0	14.5	19.0	17.5	23.0	21.0	24.0	23.0	25.0	24.5
15	11.5	10.5	16.0	14.5	20.0	17.5	22.5	20.5	24.0	23.0	25.0	24.5
16	12.5	11.0	17.0	15.5	21.0	17.5	22.5	21.0	24.5	23.5	25.0	24.0
17	13.0	11.5	16.5	16.0	18.5	18.0	22.0	21.0	25.0	23.5	24.5	24.5
18	12.5	12.0	19.0	16.5	19.5	18.0	22.5	21.0	24.5	23.5	24.5	24.0
19	13.0	12.0	19.0	15.5	20.0	18.5	23.0	21.5	24.5	24.0	24.5	24.0
20	13.5	12.0	17.5	15.5	19.0	18.0	23.5	21.5	24.5	24.0	25.0	24.5
21	13.0	12.0	17.5	16.0	19.5	18.0	24.0	22.0	24.5	23.5	25.0	24.5
22	13.5	12.0	16.5	15.5	22.0	19.5	22.5	21.0	24.0	23.5	25.0	24.5
23	13.5	12.5	16.5	16.0	22.0	19.5	22.0	21.0	24.5	23.5	25.0	24.5
24	13.5	12.5	17.0	16.0	20.5	19.5	22.5	22.0	26.0	24.5	25.0	24.5
25	14.5	13.0	17.5	16.5	20.0	19.0	23.5	22.0	25.5	24.5	25.0	24.5
26	15.0	13.0	19.0	16.5	20.0	19.0	23.5	22.5	24.5	24.0	24.5	24.0
27	14.0	13.0	18.5	16.5	20.5	19.5	24.5	23.5	24.5	24.0	24.0	23.5
28	14.0	13.0	18.0	16.5	20.0	19.0	24.5	22.5	24.5	24.0	23.5	22.5
29	13.5	13.0	18.0	16.5	19.5	19.0	23.0	22.0	24.5	24.0	23.0	20.5
30	13.5	13.0	18.0	16.5	19.5	19.0	23.0	22.0	24.5	24.0	23.0	21.0
31	---	---	18.0	16.5	---	---	23.5	22.5	24.5	24.0	---	---
MONTH	15.0	9.5	19.0	13.0	22.0	16.0	24.5	19.0	26.0	22.5	25.5	20.5
YEAR	26.0	2.5										

02382720 COOSAWATTEE RIVER NEAR NICKELSVILLE, GA.

LOCATION.--Lat 34°36'03", long 84°46'42", Gordon County, Hydrologic Unit 03150102, near left bank on downstream side of bridge on county road, 2.1 mi (3.4 km) upstream from Noblet Creek, and 6.8 mi (10.9 km) east of Nickelsville.

DRAINAGE AREA.--556 mi2 (1,440 km2).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 27.0°C July 24, 1978; minimum, 0.5°C Jan. 17, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 26.5°C Aug. 25; minimum, 3.5°C Feb. 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.0	22.0	18.0	17.5	12.5	10.0	9.0	7.5	7.0	6.0	7.5	6.5
2	22.5	21.0	17.0	16.5	9.5	6.0	8.5	6.5	6.5	5.5	6.5	5.5
3	22.0	20.5	17.0	15.5	12.0	5.0	9.0	8.5	6.5	3.5	5.5	4.0
4	21.0	20.0	16.0	14.0	11.5	8.5	9.5	8.5	7.0	4.0	7.5	5.0
5	21.0	20.0	14.0	12.5	10.5	9.0	9.0	8.0	6.5	5.5	7.5	6.5
6	20.5	19.5	15.0	12.5	11.0	10.0	8.0	7.5	6.5	5.5	7.5	7.0
7	19.5	18.0	16.0	14.0	10.5	9.5	7.0	6.0	7.0	5.5	10.0	7.0
8	20.0	18.5	15.5	14.0	10.5	9.0	8.0	5.5	6.5	6.0	10.5	9.5
9	20.5	19.5	16.0	15.0	9.5	9.0	8.5	8.0	6.0	5.5	11.5	9.5
10	19.5	17.0	16.0	15.0	10.0	7.5	9.0	8.0	6.0	4.5	11.5	9.0
11	19.0	17.0	15.5	14.0	11.0	9.0	8.5	8.0	6.5	4.5	9.0	7.5
12	19.5	18.0	14.0	13.0	11.5	9.5	8.5	8.0	6.5	6.0	8.0	7.0
13	19.0	17.0	13.0	12.5	11.5	10.0	8.0	7.5	7.0	5.5	8.5	7.5
14	17.0	15.5	15.0	13.0	11.5	10.5	8.0	7.0	7.0	6.0	8.5	8.0
15	19.0	14.5	15.0	14.5	11.0	10.5	8.5	8.0	7.0	6.0	9.5	7.5
16	19.0	17.0	14.5	14.0	11.0	10.0	9.0	8.5	---	---	9.5	8.5
17	19.0	17.5	14.5	12.5	10.0	8.0	9.0	9.0	---	---	11.5	9.5
18	19.5	18.5	13.5	12.0	10.0	9.5	10.0	9.0	---	---	11.5	9.5
19	20.0	19.0	13.5	11.5	10.0	9.5	9.5	9.0	---	---	10.5	9.0
20	20.5	19.0	14.0	12.5	9.5	9.0	9.5	8.0	---	---	10.5	9.5
21	21.0	19.5	15.0	14.0	10.0	9.5	9.0	9.0	---	---	11.0	10.0
22	20.0	19.5	15.5	14.5	10.0	9.0	9.0	8.5	---	---	11.0	10.5
23	20.0	18.0	15.5	15.0	10.0	9.5	9.0	8.0	---	---	11.0	10.5
24	18.5	17.5	15.0	14.5	10.5	10.0	8.5	7.5	---	---	10.5	10.0
25	18.0	17.0	14.5	14.0	10.0	9.0	8.5	7.5	---	---	10.5	9.5
26	17.5	16.0	14.5	13.5	9.0	7.5	8.5	8.5	7.0	6.0	11.0	9.5
27	17.0	15.5	14.0	13.5	12.0	7.5	8.5	8.0	7.0	5.5	10.5	9.5
28	16.5	15.0	14.0	12.0	9.5	9.0	9.0	7.5	8.0	6.5	10.5	9.5
29	16.5	15.0	13.5	10.0	10.0	9.5	8.5	8.0	8.0	7.0	11.5	10.5
30	18.0	16.5	13.0	10.5	10.0	9.5	8.0	7.5	---	---	12.0	10.5
31	18.0	17.5	---	---	9.5	8.5	7.5	6.0	---	---	12.0	10.5
MONTH	23.0	14.5	18.0	10.0	12.5	5.0	10.0	5.5	8.0	3.5	12.0	4.0

02382720 COOSAWATTEE RIVER NEAR NICKELSVILLE, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.5	10.0	14.5	13.5	19.0	17.5	22.0	19.5	25.0	23.0	26.0	24.0
2	11.5	10.5	15.0	13.5	20.0	18.0	22.5	20.0	25.0	22.5	26.0	24.0
3	12.0	10.5	14.5	13.5	19.0	17.5	21.5	20.0	24.5	22.5	26.0	24.0
4	12.5	10.5	16.0	14.5	---	---	22.0	20.5	24.5	22.5	26.0	24.0
5	11.5	10.0	17.0	14.5	---	---	22.5	20.5	25.0	22.5	25.5	24.0
6	12.5	10.5	15.5	14.5	---	---	22.5	20.5	25.5	23.0	26.0	24.0
7	12.5	11.5	16.0	14.5	---	---	22.5	20.0	25.5	23.0	25.5	24.0
8	13.0	11.5	15.5	14.5	---	---	23.0	20.5	25.5	23.0	26.0	23.5
9	13.0	11.5	15.5	14.0	---	---	23.5	21.0	26.0	23.5	26.0	24.0
10	13.0	11.5	16.0	14.5	---	---	23.0	20.5	26.0	23.5	25.5	24.5
11	13.0	11.0	17.5	16.0	---	---	23.0	21.0	25.0	24.0	25.5	23.5
12	13.0	12.5	18.0	15.5	---	---	23.5	21.0	25.0	23.5	25.5	24.0
13	14.0	12.5	16.5	15.5	---	---	23.5	21.0	25.5	23.5	25.5	24.0
14	14.0	11.5	16.5	15.5	---	---	24.0	21.5	26.0	23.5	26.0	24.0
15	11.5	11.0	16.5	15.0	---	---	24.0	22.0	25.5	23.5	26.0	24.0
16	12.5	11.5	17.5	15.5	---	---	24.0	21.5	25.5	24.0	25.5	23.5
17	13.0	11.5	17.0	16.5	---	---	23.5	21.5	26.0	24.5	25.0	24.5
18	13.0	12.5	18.5	17.0	---	---	23.5	21.5	25.0	24.0	25.5	24.0
19	13.0	12.5	19.5	16.5	20.5	18.5	25.0	22.0	25.5	23.5	24.5	23.5
20	13.5	12.5	17.5	16.0	21.5	19.0	24.0	22.0	26.0	23.5	25.5	24.0
21	14.0	12.5	18.5	16.5	20.5	18.5	25.0	22.0	26.0	24.0	25.5	24.0
22	14.5	12.5	17.0	16.5	22.0	19.5	23.5	22.5	25.5	23.5	25.5	24.0
23	14.0	12.5	17.0	16.0	22.5	20.5	23.0	21.5	25.5	23.5	26.0	24.0
24	14.5	13.0	17.5	16.5	21.0	20.5	24.0	22.0	26.0	24.0	25.5	24.0
25	15.0	13.5	18.0	17.0	21.0	19.5	24.5	22.0	26.5	24.5	25.5	24.0
26	15.5	13.5	19.5	17.0	21.0	19.5	24.5	22.5	26.0	24.5	25.0	24.0
27	15.0	14.0	19.5	17.5	22.0	19.5	24.5	23.0	26.0	23.5	24.5	23.0
28	14.5	13.0	19.0	17.0	22.5	20.0	25.5	23.0	26.0	23.5	23.0	22.0
29	14.0	13.5	19.0	17.5	21.0	19.5	24.0	22.5	25.5	24.0	22.5	21.0
30	14.0	13.0	18.5	17.5	21.0	19.5	24.5	22.5	25.0	23.5	22.5	21.0
31	---	---	18.5	17.5	---	---	25.0	23.0	26.0	24.0	---	---
MONTH	15.5	10.0	19.5	13.5	22.5	17.5	25.5	19.5	26.5	22.5	26.0	21.0
YEAR	26.5	3.5										

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.

LOCATION.--Lat 34°33'51", long 84°49'59", Gordon County, Hydrologic Unit 03150102, on right bank at downstream side of highway bridge, 1.4 mi (2.3 km) downstream from Sallacoa Creek, 8.7 mi (14.0 km) upstream from confluence with Conasauga River, and 2.4 mi (3.9 km) east of Pine Chapel.
DRAINAGE AREA.--831 mi2 (2,150 km2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, Ga. Monthly discharge only for some periods, published in WSP 1304.
GAGE.--Water-stage recorder. Datum of gage is 616.16 ft (187.806 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 mi (3.5 km) downstream. Prior to Feb. 23, 1940, nonrecording gage at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975, water-stage recorder at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975 auxiliary water-stage recorder at current gage site. April 9, 1975, to Sept. 30, 1976, water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.
REMARKS.--Records good. Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.)
AVERAGE DISCHARGE.--42 years, 1,511 ft3/s (42.8 m3/s), 24.69 in/yr (627 mm/yr), unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,200 ft3/s (1,140 m3/s) Mar. 30, 1951, gage height, 34.2 ft (10.42 m) at current base gage, 30.8 ft (9.39 m) at current auxiliary gage; minimum daily, 188 ft3/s (5.32 m3/s) Sept. 11, 1976, minimum unregulated daily discharge, 220 ft3/s (6.23 m3/s) Oct. 26, 1941.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1938, reached a stage of 30.0 ft (9.14 m) from gage reading at current auxiliary gage, discharge 34,000 ft3/s (963 m3/s).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,800 ft3/s (334 m3/s) Mar. 9, maximum gage height, 26.03 ft (7.934 m) Mar. 9; minimum daily discharge, 313 ft3/s (8.86 m3/s) Sept. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	758	2930	1220	3050	1400	5210	2270	1770	1100	566	317
2	1040	2030	1460	899	2170	1740	4980	2550	2050	792	545	498
3	631	1680	1320	1180	2040	879	4910	2950	2830	886	514	450
4	732	1420	1720	1360	1740	777	4820	2120	2640	1050	482	430
5	1430	1020	1210	1520	1550	2440	4730	1620	1750	857	458	393
6	1200	1160	1380	1080	1370	3510	4680	2300	768	780	501	415
7	750	890	982	1340	1530	3280	4680	2340	1040	865	502	391
8	983	648	1120	1430	1270	9410	4670	2170	1630	844	500	400
9	1020	663	929	1280	1820	9790	4770	2100	1510	605	487	553
10	829	3740	1160	1030	3140	6220	4410	2060	1110	619	487	557
11	558	4930	1220	1650	2250	4880	3550	1400	1120	620	782	482
12	559	2730	1160	1610	2540	5110	3460	1250	1370	622	846	421
13	744	1890	1020	1800	1480	7810	5270	1960	1010	615	928	375
14	581	2480	1170	1570	1250	7500	10300	2060	959	552	561	376
15	619	3190	1290	1710	2020	5280	7590	1910	1180	1060	475	336
16	652	3110	1220	1150	2440	4450	4490	1690	1460	574	650	383
17	658	1830	1180	1400	2720	5560	3830	1740	840	665	707	411
18	723	873	1370	2120	1970	10100	4090	2190	976	1000	514	449
19	620	1560	1340	2040	2230	7000	3870	2550	1270	777	445	411
20	551	1290	1370	1180	1660	4800	3770	5490	1090	642	404	367
21	499	771	1230	1680	1970	9060	3730	4890	778	779	432	359
22	854	732	626	2090	1620	8800	3670	3340	843	627	456	328
23	785	773	587	5130	1480	5980	3850	3520	1520	555	443	330
24	709	3060	599	4430	1220	5510	4160	3360	1090	562	383	313
25	645	4360	709	3380	1340	6210	3870	2520	1240	588	332	402
26	778	2370	687	2110	1690	5910	3440	2040	1930	616	392	1250
27	813	2170	1200	1750	1240	5350	3010	2210	916	1000	388	1040
28	698	2520	1800	1420	1250	6330	2910	3230	985	641	374	423
29	708	3070	1960	1610	1220	8100	2230	3450	620	1090	365	1350
30	1580	3130	1440	1470	---	6910	2160	3740	953	944	397	1910
31	1820	---	1410	2820	---	5780	---	2480	---	741	348	---
TOTAL	26149	60848	38799	56459	53270	175876	131110	79500	39248	23668	15664	16120
MEAN	844	2028	1252	1821	1837	5673	4370	2565	1308	763	505	537
MAX	1820	4930	2930	5130	3140	10100	10300	5490	2830	1100	928	1910
MIN	499	648	587	899	1220	777	2160	1250	620	552	332	313

CAL YR 1979 TOTAL 769497 MEAN 2108 MAX 17900 MIN 324 MEAN† 2122 CFSM† 2.55 IN.† 34.66
WTR YR 1980 TOTAL 716711 MEAN 1958 MAX 10300 MIN 313 MEAN† 1957 CFSM† 2.35 IN.† 31.97

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1974 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 26.0°C July 24, 25, 1978; minimum, 0.0°C Jan. 22, 23, 30, Feb. 1, 1977.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 25.5°C Aug. 21, 22; minimum, 4.5°C Feb. 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.5	21.0	18.0	17.5	12.0	10.5	8.5	8.5	6.0	6.0	8.0	7.0
2	21.5	20.5	17.5	17.0	10.0	7.5	8.0	7.0	6.0	5.5	7.0	6.0
3	20.5	19.5	17.0	15.5	9.5	6.0	8.5	7.5	5.5	4.5	6.0	5.0
4	19.5	18.5	15.5	15.0	10.0	9.0	8.5	8.5	5.5	5.0	6.5	5.0
5	19.0	18.0	15.0	13.5	9.5	8.5	8.5	8.0	6.0	5.5	7.5	6.5
6	19.0	18.0	14.5	13.0	10.0	9.0	7.5	7.0	6.0	6.0	8.0	7.5
7	18.5	17.0	14.5	14.0	10.0	9.5	7.5	6.5	6.0	5.5	9.0	8.0
8	18.0	17.0	14.5	14.0	10.0	9.0	7.5	6.5	6.0	6.0	11.0	9.0
9	19.0	17.5	15.0	14.5	9.5	8.5	8.0	7.5	6.0	5.5	11.5	11.0
10	19.0	17.5	15.0	14.5	9.0	8.0	8.0	7.5	5.5	5.0	11.5	11.0
11	17.5	16.5	15.0	14.0	9.5	8.5	8.5	8.0	5.5	5.0	10.5	9.5
12	17.5	17.0	14.0	13.5	11.0	9.5	8.0	7.5	6.0	5.5	9.5	8.5
13	18.0	17.0	13.0	13.0	11.0	10.0	7.5	7.5	6.0	6.0	8.5	8.0
14	17.0	16.0	14.0	13.0	11.0	10.5	7.5	7.0	6.5	5.5	9.0	8.5
15	16.5	15.0	14.0	14.0	10.0	10.0	8.0	7.5	6.5	6.0	9.0	8.5
16	17.0	16.5	14.0	14.0	10.0	10.0	8.5	8.0	7.0	7.0	9.5	9.0
17	17.5	16.5	14.0	13.0	9.5	8.0	9.0	9.0	7.0	6.0	11.0	9.5
18	18.0	17.0	13.0	12.0	9.0	8.5	10.0	9.0	6.0	5.5	11.5	11.0
19	18.5	17.5	13.0	12.0	9.0	8.5	10.0	9.5	6.5	6.0	11.5	11.0
20	19.0	18.0	13.0	13.0	9.0	8.5	9.5	8.5	7.0	6.5	11.0	10.5
21	19.5	18.5	13.5	12.5	9.0	8.5	9.0	8.5	7.5	6.5	11.5	10.5
22	20.0	19.5	14.5	13.5	9.0	8.5	9.0	9.0	8.5	7.5	11.5	11.0
23	19.5	18.5	15.0	14.5	9.5	9.0	9.0	8.5	9.5	8.5	11.5	11.0
24	18.5	17.5	15.0	14.5	10.0	9.5	8.5	7.5	10.0	9.0	11.5	11.0
25	17.5	16.5	14.5	14.0	10.0	9.0	8.0	7.5	10.5	9.5	11.5	11.0
26	17.0	16.0	14.5	14.0	9.0	8.5	8.5	8.0	9.0	7.5	11.5	11.0
27	16.5	16.0	14.0	13.0	8.5	8.0	8.5	8.5	7.5	6.5	11.0	10.5
28	16.5	15.5	13.5	13.0	9.0	8.5	8.5	8.5	8.0	7.0	11.0	11.0
29	16.0	15.5	13.0	11.5	9.0	9.0	8.5	8.5	8.0	7.5	12.0	11.0
30	17.5	15.5	12.0	11.5	9.5	9.0	8.5	7.5	---	---	12.0	11.5
31	18.0	17.5	---	---	9.0	8.5	7.5	6.0	---	---	12.0	11.5
MONTH	21.5	15.0	18.0	11.5	12.0	6.0	10.0	6.0	10.5	4.5	12.0	5.0

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12.0	11.0	14.5	14.0	19.0	18.5	21.0	20.0	24.0	23.5	25.0	24.5
2	12.0	11.5	15.0	14.0	20.0	19.0	21.5	20.5	24.0	23.5	25.0	24.5
3	12.5	11.5	15.0	14.0	19.0	19.0	21.5	21.0	24.0	23.5	25.0	24.5
4	12.5	12.0	15.5	14.5	19.5	18.5	21.5	21.0	24.0	23.5	25.0	25.0
5	12.0	11.5	16.5	15.5	19.5	18.5	22.0	21.5	24.0	23.5	25.0	24.5
6	12.0	11.0	16.0	15.0	20.0	19.5	22.0	21.5	24.5	24.0	25.0	24.5
7	12.5	12.0	16.0	15.0	20.0	19.5	22.0	21.5	24.5	24.0	25.0	25.0
8	13.0	12.0	16.0	15.5	20.0	19.0	22.0	21.0	24.5	24.0	25.0	24.5
9	13.0	12.5	15.5	15.0	20.0	19.5	22.5	22.0	25.0	24.5	25.0	24.5
10	13.0	12.0	15.5	15.0	20.5	19.0	22.5	22.0	25.0	24.5	25.0	24.5
11	13.0	12.0	16.5	16.0	19.5	19.0	22.5	22.0	25.0	24.5	25.0	24.5
12	13.5	13.0	17.0	16.5	19.5	19.0	22.5	22.0	24.5	24.0	24.5	24.5
13	13.5	13.5	17.0	16.5	20.0	19.5	23.0	22.0	24.5	24.0	24.5	24.5
14	14.5	14.0	16.5	16.0	20.0	19.5	23.0	22.5	25.0	24.5	25.0	24.5
15	14.0	13.0	16.5	16.0	20.5	19.5	23.0	22.0	25.0	24.5	25.0	24.5
16	13.0	12.5	17.0	16.5	20.5	20.0	23.0	22.5	25.0	24.5	25.0	24.0
17	13.0	13.0	17.0	17.0	20.5	20.0	23.0	22.5	25.0	24.5	24.5	24.0
18	13.0	13.0	18.0	17.0	20.5	20.0	23.0	22.5	25.0	24.5	24.5	24.0
19	13.5	13.0	18.5	18.0	20.5	20.0	23.0	22.5	25.0	24.5	24.5	24.0
20	14.0	13.0	18.5	17.5	21.0	20.0	23.5	23.0	25.0	25.0	24.5	24.0
21	14.0	13.5	18.5	18.0	21.0	19.5	23.5	23.0	25.5	25.0	24.5	24.5
22	14.0	13.5	18.5	17.5	21.0	20.0	23.5	23.0	25.5	25.0	24.5	24.5
23	14.0	13.5	17.5	17.5	21.5	21.0	23.0	22.5	25.0	24.5	24.5	24.5
24	14.0	13.5	18.0	17.5	21.5	20.5	23.0	22.5	25.0	24.5	24.5	24.5
25	15.0	14.0	18.0	18.0	20.5	20.5	23.5	23.0	25.0	24.5	24.5	24.0
26	15.5	14.5	19.0	18.0	20.5	20.0	23.5	23.0	25.0	25.0	24.0	23.5
27	15.5	15.5	19.0	18.5	21.5	20.0	23.5	23.0	25.0	24.5	24.0	23.0
28	15.5	14.5	18.5	18.0	21.5	20.5	24.0	23.5	25.0	24.5	23.0	22.0
29	14.5	14.0	18.5	18.0	21.5	21.0	24.0	23.0	25.0	24.5	22.0	21.5
30	14.5	14.0	18.5	18.0	21.0	20.5	23.5	22.5	24.5	24.0	21.5	21.5
31	---	---	19.0	18.0	---	---	24.0	23.0	25.0	24.5	---	---
MONTH	15.5	11.0	19.0	14.0	21.5	18.5	24.0	20.0	25.5	23.5	25.0	21.5
YEAR	25.5	4.5										

02383540 COOSAWATTEE RIVER NEAR CALHOUN, GA.

LOCATION.—Lat 34°32'28", long 84°54'03", Gordon County, Hydrologic Unit 03150102, at bridge on State Highway 225, 0.2 mi (0.3 km) upstream from confluence with Conasauga River, and 4.0 mi (6.4 km) northeast of Calhoun.

DRAINAGE AREA.—861 mi^2 (2,230 km^2), revised.

PERIOD OF RECORD.—August 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulation reservoir. (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 23...	0930	734	7.1	10.0	18.5	8.1
NOV 27...	1045	2120	7.2	13.0	12.0	9.4
DEC 11...	1045	1280	7.2	9.0	9.0	10.5
JAN 30...	1245	1500	7.1	.0	8.0	10.8
APR 22...	0850	3730	6.7	16.5	14.0	11.0
MAY 28...	1115	3190	7.1	30.5	20.0	8.2
JUN 24...	1150	940	7.1	22.5	20.5	8.3
JUL 29...	0900	1070	7.2	25.5	24.5	7.8
AUG 26...	0700	400	7.5	15.0	24.0	5.3
SEP 24...	0730	330	7.1	23.0	23.5	7.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	78	20	2.4	2300	34	27	.14	<.020	.050	1.0
NOV 27...	87	20	1.7	750	34	27	.23	<.020	.020	<1.0
DEC 11...	78	12	2.1	70	30	22	.19	<.020	.020	<1.0
JAN 30...	62	6	.6	70	80	24	.22	.020	<.020	<1.0
APR 22...	40	14	.5	90	18	14	.20	.060	<.020	2.0
MAY 28...	60	19	3.3	210	28	15	.14	.020	.030	3.5
JUN 24...	53	10	.9	280	30	18	.12	<.020	.020	<1.0
JUL 29...	40	26	1.0	90	28	25	.20	<.020	.300	2.0
AUG 26...	72	7	.4	930	32	30	.19	.040	.020	1.0
SEP 24...	68	5	.7	150	44	22	.16	.030	.020	<1.0

02384748 CONASAUGA RIVER NEAR DALTON, GA.

LOCATION.—Lat 34°47'20", long 84°52'30", Whitfield-Murray County line, Hydrologic Unit 03150101, at Dalton water works intake, 0.4 mi (0.6 km) upstream from U.S. Highway 76, and 5.5 mi (8.8 km) east of Dalton.
DRAINAGE AREA.—308 mi2 (798 km2).
PERIOD OF RECORD.—July 1974 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 23...	1400	258	7.5	17.5	17.5	7.6
NOV 27...	1230	2400	7.1	19.0	12.5	8.9
DEC 11...	1445	317	7.5	19.0	7.0	11.0
JAN 29...	1430	512	7.2	4.0	8.5	9.6
MAR 13...	0950	--	7.2	9.0	7.0	12.1
APR 22...	1200	563	7.5	25.5	16.0	9.1
MAY 28...	0900	440	7.5	24.5	19.5	8.0
JUN 24...	1100	130	7.6	24.5	22.5	7.0
JUL 29...	1300	80	7.5	28.0	25.0	6.0
AUG 26...	1030	15	7.5	26.5	24.5	5.9
SEP 24...	0930	24	7.6	24.0	24.0	5.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)
OCT 23...	135	18	--	2.0	93000	21000	64
NOV 27...	66	26	--	.6	23000	2100	28
DEC 11...	118	13	--	<.1	930	40	54
JAN 29...	98	7	--	.4	1500	90	90
MAR 13...	80	56	--	1.6	75000	4300	38
APR 22...	88	10	--	.7	23000	430	42
MAY 28...	94	15	--	.4	230000	43000	52
JUN 24...	121	10	--	.9	2300	150	54
JUL 29...	78	24	8	.6	4300	930	56
AUG 26...	150	15	7	.3	2300	290	76
SEP 24...	143	13	7	.7	930	430	78

02384748 CONASAUGA RIVER NEAR DALTON, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA- LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
23...	61	22	.20	.050	--	.070	1.0
NOV							
27...	25	38	.14	<.020	--	.030	<1.0
DEC							
11...	54	2	.35	<.020	--	<.020	<1.0
JAN							
29...	43	9	.24	<.020	--	<.020	2.0
MAR							
13...	30	44	.22	.030	--	.080	4.0
APR							
22...	39	12	.27	.050	--	<.020	<1.0
MAY							
28...	39	23	.22	.040	--	<.020	1.5
JUN							
24...	58	19	.22	.020	--	.020	<1.0
JUL							
29...	56	15	.19	.020	<.10	.020	2.0
AUG							
26...	72	20	.20	.040	.10	.040	3.0
SEP							
24...	70	24	.15	.050	.17	.070	1.5

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, Hydrologic Unit 03150101, on right bank 100 ft (30 m) upstream from bridge on county road, 3 mi (4.8 km) upstream from Rock Creek, and 3.3 mi (5.3 km) south of Chatsworth.
DRAINAGE AREA.--64.0 mi² (166 km²), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1960 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 690 ft (210 m), from topographic map.
REMARKS.--Records fair except those for period of no gage-height record, July 31 to Aug. 13, which are poor. Low flow affected by withdrawals and return flow by the city of Chatsworth. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--20 years, 124 ft³/s (3.51 m³/s), 26.31 in/yr (668 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,110 ft³/s (258 m³/s) Mar. 4, 1979, gage height, 12.54 ft (3.822 m); minimum daily, 1.5 ft³/s (0.042 m³/s) Sept. 14, 16, 17, 1980.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft³/s (42.5 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 10	2400	1600	45.3	8.57	2.612
Mar. 8	1200	2900	82.1	9.39	2.862
Mar. 18	0700	1820	51.5	8.58	2.615

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 21	1300	3760	106	9.98	3.042
Apr. 14	0500	*4210	119	10.18	3.103

Minimum daily discharge, 1.5 ft³/s (0.042 m³/s) Sept. 14, 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	46	109	112	258	79	221	129	81	26	11	4.3
2	80	318	97	101	168	84	187	118	72	22	10	9.0
3	64	140	85	88	143	70	167	110	66	20	9.0	17
4	89	88	81	177	127	76	174	105	61	20	20	8.5
5	85	69	78	181	114	216	144	99	56	18	15	5.4
6	61	59	76	128	113	169	130	94	53	17	13	4.9
7	52	52	73	116	103	330	122	90	52	20	11	5.4
8	45	49	66	228	96	2210	128	94	48	16	10	4.0
9	41	50	60	163	323	988	124	88	45	15	9.4	3.4
10	51	1080	58	136	419	404	111	81	43	14	8.6	2.5
11	43	935	57	219	180	237	104	77	40	12	15	2.3
12	39	323	56	368	141	319	439	73	38	12	11	2.1
13	36	186	76	209	120	604	980	68	37	11	10	2.0
14	34	136	99	171	110	355	2410	67	36	8.5	9.0	1.5
15	32	111	71	131	107	221	712	66	34	9.6	7.2	1.8
16	31	98	65	113	304	181	373	62	31	9.1	7.0	1.5
17	30	87	60	113	266	719	250	96	44	8.4	6.5	1.5
18	30	78	57	275	168	1510	201	308	38	14	5.0	1.7
19	29	72	56	215	139	669	180	211	35	12	5.5	2.7
20	30	66	54	150	134	932	162	562	31	7.9	6.9	3.1
21	29	62	51	124	122	2800	146	433	29	7.3	6.5	3.2
22	29	60	50	281	113	1020	135	171	27	6.1	4.7	3.2
23	88	64	49	757	105	529	126	187	27	12	3.4	2.9
24	47	898	120	357	98	510	119	314	33	11	3.2	6.5
25	36	852	144	206	92	391	118	195	35	9.7	3.2	16
26	33	752	96	157	88	277	146	138	31	58	3.2	24
27	32	392	81	132	83	215	349	108	26	87	2.9	11
28	31	206	73	117	82	675	230	92	24	40	3.0	26
29	35	152	66	104	79	736	168	83	28	19	2.1	83
30	50	123	141	128	---	456	144	155	49	15	2.0	118
31	38	---	126	581	---	306	---	97	---	13	3.4	---
TOTAL	1455	7604	2431	6338	4395	18288	9000	4571	1250	570.6	237.7	378.4
MEAN	46.9	253	78.4	204	152	590	300	147	41.7	18.4	7.67	12.6
MAX	105	1080	144	757	419	2800	2410	562	81	87	20	118
MIN	29	46	49	88	79	70	104	62	24	6.1	2.0	1.5
CFSM	.73	3.95	1.23	3.19	2.38	9.22	4.69	2.30	.65	.29	.12	.20
IN.	.85	4.42	1.41	3.68	2.55	10.63	5.23	2.66	.73	.33	.14	.22

CAL YR 1979 TOTAL 67694.0 MEAN 185 MAX 4650 MIN 22 CFSM 2.89 IN 39.35
WTR YR 1980 TOTAL 56518.7 MEAN 154 MAX 2800 MIN 1.5 CFSM 2.41 IN 32.85

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1974, March 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
03...	1545	63	--	22	3.7
NOV					
15...	1745	107	8.5	13	3.8
DEC					
21...	1120	51	5.0	30	4.1
FEB					
06...	1730	110	3.5	4	1.2
APR					
29...	1830	161	13.0	14	6.1
JUN					
11...	1745	42	21.0	51	5.8
JUL					
23...	1220	11	25.5	15	.45

02387000 CONASAUGA RIVER AT TILTON, GA.

LOCATION.--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250 ft (76 m) downstream from highway bridge, 0.2 mi (0.3 km) downstream from Swamp Creek, 0.5 mi (0.8 km) northeast of Tilton, and 12 mi (19.3 km) upstream from confluence with Coosawattee River.
DRAINAGE AREA.--687 mi^2 (1,780 km^2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1937 to current year.
GAGE.--Water-stage recorder. Datum of gage is 622.28 ft (189.671 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 24, 1940, nonrecording gage at site 150 ft (46 m) upstream at same datum. Since Oct. 1, 1979, auxiliary water-stage recorder at county road bridge, 3.2 mi (5.1 km) downstream. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage since 1961-79 water years.
REMARKS.--Records good. Flow affected by withdrawals and return flow by the city of Dalton, Ga.
AVERAGE DISCHARGE.--43 years, 1,228 ft^3/s (34.8 m^3/s), 24.27 in/yr (616 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft^3/s (821 m^3/s) Mar. 30, 1951; maximum gage height, 30.2 ft (9.20 m) Mar. 30, 1951, backwater from Coosawattee River; minimum daily discharge, 50 ft^3/s (1.42 m^3/s) Oct. 29, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft^3/s (142 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 13	0200	8570	243	17.97	5.477	Mar. 23	0200	*23500	666	26.73	8.147
Nov. 26	1700	6220	176	15.32	4.670	Mar. 30	1700	7590	215	17.55	5.349
Mar. 10	1500	11900	337	20.77	6.331	Apr. 16	0300	11800	334	20.75	6.325

Minimum daily discharge, 64 ft^3/s (1.81 m^3/s) Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2660	584	1350	1540	4030	806	2980	1280	826	412	180	180
2	1420	1400	1210	1290	2230	866	2370	1110	716	305	160	166
3	1140	2650	1080	1150	1720	832	1980	1000	639	255	200	120
4	1090	1720	986	1310	1490	737	1780	925	578	243	170	115
5	1330	1040	938	2270	1300	1270	1600	863	534	234	300	135
6	1140	827	901	1970	1210	2690	1390	807	495	240	320	143
7	923	715	875	1460	1190	2450	1280	756	474	400	318	128
8	796	639	814	2220	1100	7330	1290	776	448	500	217	135
9	683	611	748	2540	1320	9760	1510	838	420	275	178	116
10	693	4060	697	2050	2980	11600	1280	714	392	217	143	102
11	748	6290	667	1820	2610	9440	1120	655	377	195	131	90
12	702	7950	647	2780	1840	3470	2510	624	357	186	135	87
13	585	7690	685	2740	1570	4300	5540	587	339	258	185	79
14	516	2980	1020	2110	1370	4990	8420	573	328	230	245	64
15	473	1590	1010	1720	1300	3610	10800	556	321	196	180	76
16	443	1310	800	1420	1940	2390	11300	560	314	180	155	89
17	423	1170	729	1330	2960	3910	6480	626	352	171	140	75
18	409	1050	662	1820	2310	7100	2300	1200	400	165	130	76
19	392	948	622	2710	1680	9310	1850	2060	390	159	146	73
20	368	864	608	2130	1480	11300	1640	2840	333	156	133	72
21	363	797	585	1610	1470	12700	1470	3020	303	162	128	70
22	359	738	563	1750	1380	19100	1310	2240	283	159	120	73
23	502	736	553	4190	1250	22000	1190	3180	279	268	115	99
24	739	2940	719	4770	1140	15100	1100	3740	349	200	106	104
25	605	5040	1520	3160	1050	8840	1060	3560	395	197	90	157
26	456	6080	1420	2060	974	4590	1410	1900	588	189	108	278
27	398	5710	1050	1660	908	2740	2080	1330	374	396	90	222
28	373	3610	888	1450	861	4150	2620	1080	308	411	89	231
29	378	2090	800	1280	841	6140	1940	941	286	292	86	547
30	417	1610	982	1200	---	7380	1500	909	528	220	87	916
31	576	---	1950	3160	---	5920	---	1070	---	200	120	---
TOTAL	22100	75439	28079	64670	47504	206821	85100	42320	12726	7671	4905	4818
MEAN	713	2515	906	2086	1638	6672	2837	1365	424	247	158	161
MAX	2660	7950	1950	4770	4030	22000	11300	3740	826	500	320	916
MIN	359	584	553	1150	841	737	1060	556	279	156	86	64
CFSM	1.04	3.66	1.32	3.04	2.38	9.71	4.13	1.99	.62	.36	.23	.23
IN.	1.20	4.08	1.52	3.50	2.57	11.20	4.61	2.29	.69	.42	.27	.26

```
CAL YR 1979   TOTAL   728264    MEAN  1995    MAX  18300    MIN 265    CFSM 2.90    IN 39.43
WTR YR 1980   TOTAL   602153    MEAN  1645    MAX  22000    MIN  64    CFSM 2.39    IN 32.61
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02387000 CONASAUGA RIVER AT TILTON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1968 to current year.
PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1975 to current year.
pH: October 1975 to current year.
WATER TEMPERATURES: October 1975 to current year.
DISSOLVED OXYGEN: October 1975 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 478 micromhos Nov. 4, 1978; minimum, 34 micromhos Mar. 23, 1980.
pH: Maximum recorded, 8.7 units Feb. 28, Mar. 1, 1977; minimum recorded, 6.3 units July 5, 6, 1976.
WATER TEMPERATURE: Maximum recorded, 32.5°C Aug. 7, 1979; minimum recorded, 0.5°C Feb. 1, 2, 1977, Jan. 11, 20-23, 1978.
DISSOLVED OXYGEN: Maximum recorded, 13.6 mg/L Jan. 31, 1977; minimum recorded, 0.6 mg/L July 1, 1977.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 341 micromhos July 23; minimum, 34 micromhos Mar. 23.
pH: Maximum recorded, 8.4 units Dec. 24; minimum recorded, 6.5 units Dec. 21.
WATER TEMPERATURE: Maximum recorded, 32.0°C July 17, 18; minimum recorded, 3.0°C Feb. 4, 10, 11.
DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L Mar. 4; minimum recorded, 1.8 mg/L July 23, 24.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
15...	1300	460	7.4	18.0	14.0	7.3
NOV						
20...	1500	848	7.3	23.0	11.5	9.2
DEC						
10...	1400	688	7.4	14.5	7.0	10.4
JAN						
14...	1500	2040	7.5	10.5	7.0	11.1
FEB						
19...	1415	1640	6.9	11.0	5.0	12.0
MAR						
19...	1200	9390	7.0	16.0	11.5	8.6
APR						
21...	1130	1480	7.3	25.0	15.5	8.8
MAY						
13...	0930	584	6.7	22.0	19.5	7.1
JUN						
19...	0830	400	7.3	21.0	23.5	4.9
JUL						
25...	0800	198	7.3	22.5	27.5	3.4
AUG						
21...	1430	136	7.5	34.0	30.5	5.5
SEP						
23...	1230	100	7.5	--	27.0	5.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)
OCT 15...	173	7	16	2.4	40	64
NOV 20...	154	15	20	3.0	2100	68
DEC 10...	148	11	8	1.7	40	62
JAN 14...	105	14	11	1.5	230000	56
FEB 19...	114	17	14	1.7	15000	56
MAR 19...	63	68	20	1.8	1500	24
APR 21...	110	25	12	.9	15000	48
MAY 13...	149	16	14	1.8	430	66
JUN 19...	190	10	20	1.4	430	68
JUL 25...	300	18	30	2.5	90	102
AUG 21...	290	8	28	1.4	430	95
SEP 23...	305	7	27	1.4	210	104

DATE	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	71	7	.32	.160	.50	.070	4.0
NOV 20...	62	17	.31	.080	.81	.110	1.5
DEC 10...	63	4	.34	.090	.60	.140	<1.0
JAN 14...	41	10	.21	.040	.65	.040	1.0
FEB 19...	42	13	.20	.060	.60	.170	8.0
MAR 19...	20	28	.12	.030	.28	.120	7.0
APR 21...	42	25	.29	.050	.20	.190	6.5
MAY 13...	58	20	.69	.160	.70	.800	<1.0
JUN 19...	62	13	.37	.120	.70	.320	3.0
JUL 25...	89	4	.38	.100	1.0	1.300	10
AUG 21...	77	8	1.5	.050	1.8	1.770	10
SEP 23...	93	6	.82	.060	1.3	1.700	9.0

02387000 CONASAUGA RIVER AT TILTON, GA.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	122	108	243	211	---	---	161	144	---	---	---	---
2	139	123	261	168	---	---	150	138	---	---	---	---
3	152	138	169	124	---	---	166	152	---	---	166	153
4	175	152	129	115	---	---	183	156	131	122	192	168
5	155	147	131	114	---	---	163	146	148	132	215	169
6	152	148	150	133	---	---	146	126	154	150	177	150
7	147	140	167	154	---	---	134	121	161	151	157	98
8	154	139	184	164	---	---	151	134	165	158	---	---
9	175	158	193	169	---	---	143	135	163	141	---	---
10	197	172	171	95	166	156	139	129	135	107	---	---
11	189	177	95	72	190	169	154	132	131	105	---	---
12	204	181	78	71	213	190	147	123	144	129	139	108
13	210	195	---	---	215	204	127	106	153	144	122	99
14	192	184	128	112	235	192	118	107	164	150	103	85
15	189	170	144	130	197	189	140	119	174	162	118	90
16	213	188	---	---	193	172	155	138	175	157	128	107
17	223	209	---	---	176	166	175	152	155	125	139	88
18	230	214	143	134	184	171	179	159	123	99	96	73
19	242	229	---	---	193	178	164	142	127	105	78	61
20	252	233	162	158	196	185	146	120	143	125	81	59
21	229	218	172	162	196	185	134	118	191	146	83	61
22	217	202	181	163	202	180	142	123	---	---	63	37
23	267	210	173	160	181	174	128	99	---	---	48	34
24	222	187	---	---	193	170	99	77	---	---	82	45
25	212	196	---	---	197	159	101	81	---	---	97	75
26	225	208	---	---	174	161	108	99	---	---	---	---
27	216	205	---	---	172	163	113	107	---	---	108	96
28	204	185	---	---	173	162	---	---	---	---	114	86
29	187	173	---	---	170	163	---	---	---	---	85	67
30	222	190	---	---	172	150	---	---	---	---	78	65
31	227	204	---	---	159	141	---	---	---	---	95	80
MONTH	267	108	261	71	235	141	183	77	191	99	215	34

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	121	91	129	109	126	116	---	---	---	---		
2	126	109	131	121	143	121	---	---	---	---		
3	135	121	134	121	164	139	169	163	---	---		
4	---	---	137	117	175	156	181	163	---	---		
5	---	---	134	118	182	161	183	172	300	216		
6	---	---	151	136	187	173	181	130	265	217		
7	---	---	159	148	192	168	198	166	259	227		
8	---	---	166	151	185	164	221	178	290	258		
9	---	---	156	144	168	157	236	209	317	287		
10	150	140	152	142	195	164	255	233	319	304		
11	149	142	150	135	200	180	272	246	305	247		
12	148	104	151	133	203	184	270	256	309	241		
13	113	70	171	152	213	187	254	208	324	276		
14	73	48	180	159	220	199	209	195	272	237		
15	51	41	184	163	199	179	261	193	281	260		
16	64	41	191	172	195	176	280	255	311	282		
17	---	---	184	162	---	---	282	271	316	284		
18	---	---	178	134	---	---	291	276	284	261		
19	---	---	130	103	211	192	298	288	---	---		
20	---	---	130	96	228	203	301	250	---	---		
21	124	110	106	91	220	195	249	224	---	---		
22	134	123	107	92	212	180	266	226	---	---		
23	142	133	118	91	194	178	341	255	---	---		
24	155	140	128	110	244	187	326	253	---	---		
25	161	147	124	106	243	193	314	286	---	---		
26	169	139	140	116	211	199	309	277	---	---		
27	148	125	139	114	---	---	287	215	---	---		
28	132	100	144	132	---	---	224	164	---	---		
29	---	---	157	140	---	---	213	168	---	---		
30	115	102	156	148	---	---	242	205	---	---		
31	---	---	153	114	---	---	---	---	---	---		
MONTH	169	41	191	91	244	116	341	130	324	216		
YEAR	341	34										

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	7.0	7.9	7.7	---	---	7.6	7.3	---	---	---	---
2	7.3	7.2	7.7	7.4	---	---	7.6	7.0	---	---	---	---
3	7.4	7.3	7.4	7.0	---	---	7.2	7.0	---	---	7.2	7.2
4	7.4	7.3	7.2	6.9	---	---	7.6	7.2	7.2	7.2	7.2	7.1
5	7.5	7.3	7.1	6.7	---	---	7.5	7.4	7.2	7.2	7.2	7.0
6	7.5	7.2	7.0	6.7	---	---	7.5	6.9	7.2	7.2	7.2	7.1
7	7.3	7.2	7.2	6.8	---	---	7.0	6.9	7.3	7.2	7.2	6.8
8	7.3	7.1	7.2	7.1	---	---	7.1	6.9	7.3	7.3	---	---
9	7.4	7.2	7.4	7.1	---	---	7.2	7.1	7.3	7.2	---	---
10	7.5	7.4	7.5	7.2	7.4	7.1	7.4	7.1	7.2	7.1	---	---
11	7.5	7.2	7.2	6.9	7.3	7.1	7.3	7.3	7.2	7.1	---	---
12	7.5	7.2	6.9	6.7	7.7	7.3	7.7	7.3	7.2	7.2	7.2	6.9
13	7.3	7.1	---	---	7.9	7.7	7.9	7.5	7.3	7.2	7.2	6.9
14	7.4	7.2	7.2	6.8	7.7	7.3	7.5	7.4	7.3	7.3	7.2	6.8
15	7.4	7.1	7.3	7.0	7.5	7.2	7.5	7.5	7.4	7.3	7.2	7.1
16	7.3	7.1	7.4	7.0	7.2	7.1	7.4	7.2	7.4	7.3	7.1	7.0
17	7.3	7.1	---	---	7.4	7.1	7.4	7.0	7.4	7.3	7.3	7.0
18	7.6	7.3	7.6	6.8	7.4	6.9	7.8	7.3	7.3	7.2	7.3	7.0
19	7.6	7.4	---	---	7.3	6.7	7.8	7.3	7.2	7.1	7.1	7.0
20	7.8	7.5	7.3	7.1	6.9	6.7	7.6	7.1	7.2	7.1	7.1	6.9
21	7.9	7.6	7.4	7.0	6.7	6.5	7.3	7.1	7.2	7.2	7.1	7.0
22	7.9	7.7	7.5	7.2	7.3	6.7	7.3	7.2	---	---	7.0	6.7
23	7.9	7.5	7.6	7.5	8.3	7.3	7.3	7.2	---	---	6.8	6.7
24	7.7	7.3	---	---	8.4	8.1	7.2	7.1	---	---	7.0	6.8
25	7.5	7.2	---	---	8.1	7.7	7.2	7.0	---	---	7.2	7.1
26	7.4	7.1	---	---	7.7	7.3	7.3	7.2	---	---	7.3	7.2
27	7.2	7.0	---	---	7.4	7.1	7.4	7.3	---	---	7.4	7.3
28	7.4	7.0	---	---	7.4	7.2	---	---	---	---	7.4	7.3
29	7.4	7.2	---	---	7.8	7.2	---	---	---	---	7.3	7.0
30	7.6	7.4	---	---	8.0	7.9	---	---	---	---	7.2	7.1
31	7.8	7.6	---	---	7.9	7.6	---	---	---	---	7.2	7.1
MONTH	7.9	7.0	7.9	6.7	8.4	6.5	7.9	6.9	7.4	7.1	7.4	6.7

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.2	7.0	7.3	7.2	7.3	7.2	7.5	7.4	---	---	7.6	7.4
2	7.2	7.1	7.4	7.3	7.3	7.3	7.5	7.4	---	---	7.8	7.6
3	7.6	7.1	7.4	7.4	7.3	7.3	7.5	7.4	---	---	8.0	7.5
4	---	---	7.5	7.4	7.3	7.3	7.5	7.5	---	---	7.8	7.6
5	---	---	7.5	7.5	7.3	7.3	7.6	7.5	7.3	7.1	7.6	7.5
6	---	---	7.5	7.4	7.3	7.3	7.6	7.3	7.4	7.3	7.5	7.4
7	---	---	7.4	7.4	7.3	7.3	7.6	7.2	7.3	7.3	7.6	7.4
8	---	---	7.4	7.4	7.5	7.3	7.5	7.1	7.3	7.3	7.6	7.5
9	---	---	7.4	7.3	7.5	7.4	7.3	7.1	7.4	7.3	7.8	7.5
10	7.8	7.6	7.4	7.3	7.4	7.4	7.4	7.3	7.4	7.3	7.7	7.5
11	7.8	7.7	7.4	7.3	7.4	7.3	7.5	7.4	7.6	7.3	7.6	7.4
12	7.9	7.5	7.4	7.3	7.4	7.3	7.5	7.4	7.6	7.3	7.5	7.3
13	7.5	7.2	7.4	7.3	7.3	7.3	7.6	7.5	7.5	7.3	7.5	7.3
14	7.3	6.9	7.4	7.3	7.3	7.3	7.6	7.5	7.4	7.3	7.5	7.3
15	7.2	6.9	7.3	7.3	7.4	7.4	7.5	7.3	7.3	7.2	7.5	7.3
16	7.2	6.9	7.3	7.3	7.5	7.4	7.5	7.3	7.3	7.2	7.7	7.4
17	---	---	7.3	7.3	---	---	7.5	7.3	7.3	7.2	7.5	7.3
18	---	---	7.4	7.3	---	---	7.5	7.4	7.5	7.3	7.4	7.3
19	---	---	7.4	7.3	7.4	7.3	7.4	7.3	---	---	7.3	7.3
20	---	---	7.3	7.2	7.4	7.4	7.5	7.4	---	---	7.4	7.3
21	7.6	7.1	7.2	7.0	7.4	7.4	7.7	7.5	---	---	7.4	7.3
22	7.7	7.5	7.1	6.8	7.5	7.4	7.7	7.4	---	---	7.4	7.3
23	7.7	7.5	7.3	6.9	7.5	7.5	7.4	7.2	---	---	7.6	7.3
24	7.7	7.6	7.4	7.1	7.5	7.4	7.4	7.2	---	---	7.5	7.4
25	7.6	7.5	7.4	7.2	7.4	7.3	7.4	7.3	---	---	7.4	7.3
26	7.6	7.4	7.2	7.1	7.5	7.3	7.3	7.3	---	---	7.3	7.3
27	7.6	7.4	7.3	7.2	7.5	7.4	7.3	7.2	7.7	7.3	---	---
28	7.5	7.3	7.3	7.2	7.4	7.4	7.4	7.0	7.4	7.3	---	---
29	---	---	7.3	7.2	7.4	7.4	7.2	7.1	7.4	7.3	---	---
30	7.3	7.3	7.3	7.2	7.6	7.4	7.3	7.2	7.4	7.3	---	---
31	---	---	7.3	7.2	---	---	---	---	7.4	7.3	---	---
MONTH	7.9	6.9	7.5	6.8	7.6	7.2	7.7	7.0	7.7	7.1	8.0	7.3
YEAR	8.4	6.5										

02387000 CONASAUGA RIVER AT TILTON, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.5	20.0	16.5	16.0	---	---	8.5	8.0	---	---	---	---
2	20.5	19.5	16.5	15.0	---	---	7.5	7.0	---	---	---	---
3	20.0	19.0	15.0	13.5	---	---	7.5	7.0	---	---	4.5	3.5
4	19.0	17.5	13.5	12.0	---	---	8.5	7.5	3.5	3.0	5.5	3.5
5	17.5	16.5	12.0	11.0	---	---	7.5	7.0	3.5	3.5	7.5	5.0
6	16.5	15.5	12.0	11.0	---	---	6.5	5.5	4.0	3.5	8.0	7.0
7	16.0	15.0	12.5	11.5	---	---	6.0	5.5	4.5	3.5	9.0	8.0
8	16.5	15.0	12.5	11.0	---	---	6.5	6.0	4.5	4.0	---	---
9	17.0	16.0	12.5	11.5	---	---	7.0	6.5	4.0	3.5	---	---
10	17.0	16.0	14.5	13.0	7.0	6.5	8.0	7.0	3.5	3.0	---	---
11	16.5	15.5	14.5	13.5	8.0	6.5	9.0	8.0	4.0	3.0	---	---
12	16.5	15.0	14.0	12.0	9.5	8.0	8.5	7.5	4.5	4.0	11.5	10.0
13	17.0	15.5	---	---	11.0	9.5	7.5	7.0	5.0	4.0	10.0	5.5
14	15.5	14.5	12.5	11.5	11.5	10.5	7.5	7.0	6.0	4.5	9.5	5.0
15	14.5	13.0	13.0	11.5	10.5	10.0	8.5	7.5	6.5	5.5	11.5	6.5
16	15.0	13.5	12.5	11.5	10.0	9.5	9.5	8.5	7.5	6.5	13.5	10.5
17	16.0	14.0	---	---	9.5	7.5	10.5	9.5	7.0	5.5	14.0	10.0
18	16.5	15.0	11.5	9.5	7.0	6.5	12.0	10.5	5.5	4.5	12.0	10.5
19	17.0	15.5	---	---	6.5	5.5	11.5	11.0	5.5	4.5	12.5	11.5
20	18.0	16.5	12.0	11.0	6.5	5.5	11.0	9.5	6.5	5.5	12.0	11.0
21	18.5	17.0	12.5	11.5	7.0	6.0	9.5	9.5	8.0	7.0	11.5	10.5
22	19.0	17.5	13.5	12.5	7.5	7.0	10.0	9.5	---	---	11.5	11.0
23	19.0	18.0	15.0	13.0	8.5	7.0	9.5	8.5	---	---	11.5	11.0
24	17.5	16.0	---	---	10.0	8.5	8.5	7.0	---	---	12.0	11.5
25	16.0	15.0	---	---	10.5	9.5	7.5	7.0	---	---	13.0	11.5
26	15.0	13.5	---	---	9.5	8.5	8.5	7.5	---	---	13.0	12.5
27	14.5	13.0	---	---	8.5	8.0	9.0	8.5	---	---	12.5	11.5
28	14.0	12.5	---	---	8.0	7.5	---	---	---	---	13.5	11.5
29	14.0	13.0	---	---	8.0	7.5	---	---	---	---	14.0	12.5
30	15.5	14.0	---	---	8.5	7.5	---	---	---	---	15.0	14.0
31	16.5	15.5	---	---	8.5	8.0	---	---	---	---	15.5	13.5
MONTH	20.5	12.5	16.5	9.5	11.5	5.5	12.0	5.5	8.0	3.0	15.5	3.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	16.5	14.5	23.5	21.5	26.0	23.5	---	---	28.0	26.5
2	---	---	17.0	15.0	24.5	22.5	26.5	24.0	---	---	27.0	26.0
3	---	---	17.5	16.0	25.5	23.0	26.5	25.5	---	---	28.0	25.0
4	---	---	19.0	16.0	25.5	23.5	28.0	26.0	---	---	28.5	25.5
5	---	---	18.5	16.5	25.5	23.5	28.5	27.0	27.5	25.0	28.0	26.5
6	---	---	19.0	17.0	25.5	24.0	28.5	25.0	28.0	26.0	29.0	26.5
7	---	---	19.0	18.0	26.0	24.0	28.0	26.0	29.0	27.0	29.0	26.5
8	---	---	19.5	18.5	26.0	24.5	28.5	26.0	30.0	27.5	28.0	25.5
9	---	---	19.5	18.0	25.0	23.0	30.0	28.0	31.0	28.0	28.0	25.5
10	17.0	15.5	18.5	17.0	24.0	21.5	30.5	29.0	31.0	28.0	28.0	26.0
11	17.0	15.5	18.5	17.0	24.0	21.5	31.0	29.0	30.0	28.0	27.5	25.0
12	16.5	15.0	19.5	17.5	23.5	21.5	31.5	29.5	29.5	27.0	28.0	25.5
13	15.5	13.5	20.0	19.0	24.0	22.0	31.0	29.0	29.5	28.0	28.0	25.5
14	15.5	14.5	20.0	19.5	24.5	22.5	30.5	29.5	29.5	27.5	28.0	25.5
15	14.5	14.0	21.5	19.5	25.0	23.0	31.5	29.0	29.0	28.0	28.5	25.5
16	14.5	13.0	21.0	20.0	25.0	23.5	31.5	29.5	28.5	27.5	27.0	24.5
17	---	---	20.0	19.0	---	---	32.0	29.5	29.5	27.5	25.5	24.5
18	---	---	20.0	18.5	---	---	32.0	29.5	29.0	27.0	26.0	24.0
19	---	---	21.0	19.0	25.5	23.5	31.5	29.5	---	---	24.5	23.5
20	---	---	20.5	19.0	26.0	24.0	31.0	29.0	---	---	26.5	24.0
21	16.5	15.5	21.5	19.0	25.5	23.5	30.0	28.5	---	---	27.0	25.5
22	17.5	15.5	20.5	18.0	25.0	23.5	28.5	27.5	---	---	27.5	25.5
23	18.0	16.5	20.0	18.0	25.0	24.0	28.0	26.5	---	---	27.5	25.5
24	19.0	17.0	20.5	18.0	24.0	23.5	29.0	26.5	---	---	27.0	25.5
25	19.0	18.0	22.0	19.0	24.5	23.5	29.5	27.5	---	---	26.0	24.5
26	18.5	17.5	23.0	19.5	25.5	23.5	29.5	27.5	---	---	24.5	24.5
27	19.5	17.0	21.5	19.5	26.5	24.0	27.5	26.5	28.0	27.0	---	---
28	18.0	16.0	22.0	20.5	27.0	25.0	26.5	25.0	28.0	25.5	---	---
29	---	---	22.5	21.0	27.0	25.5	27.0	25.0	27.5	26.5	---	---
30	16.0	14.0	23.0	21.5	26.0	24.5	28.0	25.5	27.5	26.0	---	---
31	---	---	22.5	21.5	---	---	---	---	28.5	26.0	---	---
MONTH	19.5	13.0	23.0	14.5	27.0	21.5	32.0	23.5	31.0	25.0	29.0	23.5
YEAR	32.0	3.0										

02387000 CONASAUGA RIVER AT TILTON, GA.—Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.3	6.1	6.0	4.8	---	---	10.5	10.4	---	---	---	---
2	7.3	7.0	6.5	2.6	---	---	10.8	10.6	---	---	---	---
3	7.0	6.7	8.3	6.6	11.1	10.2	10.7	10.4	---	---	13.0	12.0
4	6.8	6.0	9.2	8.3	---	---	10.7	10.1	12.7	12.5	13.2	12.8
5	7.2	6.6	9.4	9.2	---	---	10.6	10.4	12.6	12.4	12.6	11.3
6	7.7	7.3	9.3	9.2	---	---	11.3	10.7	12.4	12.3	11.7	11.3
7	8.3	7.8	9.1	8.7	---	---	11.4	11.3	12.4	12.2	11.5	11.0
8	8.4	8.0	8.6	8.2	---	---	11.3	11.0	12.4	12.2	---	---
9	8.0	7.2	8.3	7.7	---	---	11.1	10.9	12.2	12.0	---	---
10	7.2	6.2	8.3	7.7	11.0	10.1	10.9	10.7	12.3	12.2	---	---
11	6.8	6.5	---	---	10.1	9.9	10.7	10.2	12.2	12.1	---	---
12	7.0	6.5	---	---	9.9	9.4	10.4	10.1	12.1	11.9	10.5	9.5
13	6.8	6.3	---	---	9.4	8.7	11.0	10.5	12.2	11.9	10.7	9.7
14	7.1	5.7	9.0	8.0	8.8	8.0	11.1	11.0	12.1	11.9	11.8	10.8
15	7.4	7.0	9.0	8.2	9.4	8.8	11.0	10.7	11.9	11.5	10.7	9.7
16	7.4	7.1	---	---	9.7	9.4	10.7	10.4	11.5	10.9	11.0	9.8
17	7.1	6.7	---	---	10.0	9.8	10.3	9.8	11.4	10.8	11.5	10.5
18	6.7	5.8	9.6	8.8	10.8	10.6	9.8	9.2	12.1	11.4	10.8	9.1
19	5.8	4.7	---	---	10.6	10.3	9.7	9.4	12.1	11.9	9.1	8.5
20	4.7	4.2	9.2	8.7	10.8	10.7	10.3	9.7	11.9	11.4	9.3	8.4
21	5.2	4.4	8.7	8.2	11.4	10.7	10.5	10.3	11.4	10.6	9.3	9.0
22	5.7	5.2	8.1	7.7	10.7	10.5	10.3	9.8	---	---	9.3	9.2
23	5.6	4.2	7.9	7.6	10.7	10.5	10.1	9.9	---	---	9.3	9.0
24	5.9	5.3	---	---	10.5	9.3	10.7	10.1	---	---	9.1	8.9
25	6.0	5.9	---	---	9.7	9.1	10.9	10.6	---	---	9.1	8.9
26	5.9	5.6	---	---	10.4	9.7	10.8	10.6	---	---	9.0	8.7
27	6.0	5.6	---	---	10.5	10.3	10.5	10.3	---	---	9.5	9.4
28	7.1	6.2	---	---	10.6	10.5	---	---	---	---	9.6	8.7
29	7.6	7.0	---	---	10.8	10.6	---	---	---	---	8.9	8.1
30	7.0	6.3	---	---	11.0	10.4	---	---	---	---	8.2	7.7
31	6.2	5.7	---	---	10.7	10.5	---	---	---	---	---	---
MONTH	8.4	4.2	9.6	2.6	11.4	8.0	11.4	9.2	12.7	10.6	13.2	7.7

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	8.8	8.4	6.4	6.0	5.4	4.7	---	---	5.1	3.2
2	---	---	8.8	8.0	6.2	5.9	5.6	5.3	---	---	6.2	4.8
3	---	---	8.6	7.9	5.9	5.7	5.9	5.3	---	---	7.5	4.2
4	---	---	8.6	8.2	6.1	5.7	5.9	5.5	---	---	6.8	4.5
5	---	---	8.5	8.0	5.8	5.7	6.2	5.5	4.8	3.7	5.1	3.4
6	---	---	7.9	7.5	5.3	4.8	6.5	5.7	5.0	4.1	4.0	3.3
7	---	---	7.6	7.2	5.0	4.7	5.8	3.5	4.5	4.1	4.7	3.4
8	---	---	7.2	7.0	5.5	4.8	5.8	3.2	4.5	3.8	5.2	3.7
9	---	---	7.3	7.1	6.0	5.5	4.0	3.2	4.5	3.4	6.3	4.4
10	8.3	8.1	7.6	7.1	5.9	5.6	4.7	4.2	4.5	3.4	6.0	4.2
11	8.2	8.0	7.9	7.5	6.0	5.7	4.9	4.1	5.2	3.4	5.4	3.7
12	8.4	8.0	8.0	7.3	5.8	5.6	4.7	4.1	5.2	3.8	5.0	3.5
13	8.5	8.3	7.2	6.5	5.6	5.1	5.5	4.5	4.0	3.5	4.8	3.1
14	8.2	7.8	6.5	6.2	5.1	4.7	5.7	5.0	4.1	3.5	4.8	3.2
15	7.7	7.3	6.2	6.0	5.7	5.1	5.7	4.4	3.6	3.0	4.6	3.3
16	7.7	7.3	6.0	5.6	5.9	5.6	5.6	3.9	3.6	2.7	6.0	3.5
17	---	---	6.6	5.8	---	---	4.8	3.5	3.7	2.7	4.9	3.8
18	---	---	7.1	6.4	---	---	4.7	3.4	4.2	2.9	4.1	3.0
19	---	---	7.5	6.4	5.3	5.0	4.3	3.3	---	---	3.6	3.2
20	---	---	6.9	6.1	5.2	4.8	4.9	3.4	---	---	3.9	3.0
21	8.8	8.4	---	---	5.0	4.6	6.2	4.3	---	---	3.6	3.0
22	8.5	8.3	---	---	5.7	5.0	6.0	4.5	---	---	4.0	3.1
23	8.3	7.8	7.6	7.3	6.1	5.6	4.8	1.8	---	---	5.4	3.6
24	8.0	7.4	---	---	6.1	4.8	4.4	1.8	---	---	5.5	3.9
25	7.5	7.2	---	---	5.5	4.5	3.7	2.7	---	---	4.2	3.5
26	7.7	7.2	---	---	5.4	4.8	3.8	2.8	---	---	3.5	3.1
27	8.0	7.7	7.6	7.1	5.4	4.4	4.3	2.3	6.5	4.8	---	---
28	8.2	7.5	7.1	6.6	4.8	4.4	4.4	3.6	5.8	4.0	---	---
29	---	---	6.6	6.1	5.0	4.3	4.8	4.2	4.8	3.5	---	---
30	8.9	8.6	6.1	5.8	5.9	4.0	4.6	4.2	4.3	3.3	---	---
31	---	---	6.3	5.9	---	---	4.5	4.3	4.2	3.0	---	---
MONTH	8.9	7.2	8.8	5.6	6.4	4.0	6.5	1.8	6.5	2.7	7.5	3.0
YEAR	13.2	1.8										

02387050 CONASAUGA RIVER NEAR RESACA, GA.

LOCATION.--Lat 34°35'36", long 84°56'02", Gordon County, Hydrologic Unit 03150101, at county highway bridge, 1.1 mi (1.8 km) northeast of Resaca, and 5.1 mi (8.2 km) upstream from confluence with Coosawattee River.
DRAINAGE AREA.--706 mi² (1,830 km²).
PERIOD OF RECORD.--August 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 23...	1030	420	7.1	11.5	18.0	4.5
NOV 27...	1145	7000	6.8	17.5	13.0	8.1
DEC 11...	1145	610	7.4	14.0	7.0	10.2
JAN 30...	1215	1160	7.5	-.5	7.5	10.8
APR 22...	1045	1400	7.1	22.0	17.0	8.0
MAY 28...	1000	1050	7.4	26.5	21.0	6.6
JUN 24...	1020	342	7.4	25.0	23.5	5.3
JUL 29...	1145	342	7.7	30.5	25.0	3.6
AUG 26...	0800	120	7.4	17.0	25.0	3.3
SEP 24...	0845	90	7.4	24.0	25.0	2.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	187	8	3.2	230	79	71	.32	.650	.290	4.0
NOV 27...	91	26	1.3	2100	36	31	.16	.180	.100	1.0
DEC 11...	170	14	1.7	--	68	66	.41	.410	.210	2.0
JAN 30...	138	10	2.8	--	66	53	.34	.540	.320	3.0
APR 22...	115	19	.8	2300	46	47	.40	.120	.140	2.5
MAY 28...	126	32	1.4	750	60	45	.48	.070	.650	4.5
JUN 24...	160	16	.9	40	72	69	.44	.060	.180	2.0
JUL 29...	102	39	1.7	750	60	51	.77	.080	.340	6.0
AUG 26...	330	10	1.5	430	102	90	.75	.120	1.680	11
SEP 24...	355	6	1.3	430	132	95	.82	.110	2.400	13

02387500 OOSTANAULA RIVER AT RESACA, GA.

LOCATION.--Lat 34°34'42", long 84°56'29", Gordon County, Hydrologic Unit 03150103, near left bank on downstream side of pier of bridge on U.S. Highway 41 at Resaca, 200 ft (61 m) downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 mi (1.3 km) upstream from Camp Creek, and 3.5 mi (5.6 km) downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.--1,600 mi^2 (4,140 km^2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1892 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-7, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22, 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946-47(M).

GAGE.--Water-stage recorder. Datum of gage is 604.14 ft (184.142 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Since June 1, 1979, auxiliary water-stage recorder at Calhoun water-works intake 6.5 mi (10.5 km) downstream. Oct. 28, 1948, to May 31, 1979, nonrecording auxiliary gage located at State Route 136 connector 7.1 mi (11.4 km) downstream.

REMARKS.--Records fair. Discharges for the entire year computed on basis of record collected at auxiliary gage. Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).

AVERAGE DISCHARGE.--88 years, 2,824 ft^3/s (80.0 m^3/s), 23.97 in/yr (609 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft^3/s (1,550 m^3/s) Mar. 31, 1951; maximum gage height, 34.6 ft (10.55 m) Mar. 31, 1951; minimum discharge observed, 180 ft^3/s (5.10 m^3/s) Sept. 7, 8, 1925, gage height, 0.5 ft (0.15 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 36.6 ft (11.16 m) Apr. 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft^3/s (1,940 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,900 ft^3/s (790 m^3/s) Mar. 24, gage height, 28.58 ft (8.711 m); minimum daily discharge, 470 ft^3/s (13.3 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5640	1840	4390	3030	6780	2200	12300	3420	2760	1830	925	540
2	2970	2330	3480	2330	5540	2540	8530	3370	2520	1390	880	655
3	2020	4020	2140	2370	3550	2210	7050	3840	3280	1290	909	610
4	1870	3270	3000	2480	3320	1700	6670	3460	3210	1510	855	580
5	2440	2440	2290	3380	2870	2690	6460	2490	2930	1350	905	555
6	2600	1910	2220	3220	2710	5690	6160	2850	1600	1300	928	670
7	1930	1960	2280	2960	2730	6000	5940	3190	1630	1320	915	655
8	1860	1500	1930	2860	2490	13700	5900	3000	1990	1620	820	630
9	1850	1410	1960	3790	2630	16900	6180	2950	2330	1040	810	730
10	1770	5030	1890	3090	5660	18000	5980	2840	1780	990	755	720
11	1470	9120	2020	3040	5570	17700	5020	2500	1500	980	956	635
12	1450	9660	1980	4170	4670	15800	5420	1870	1970	995	977	580
13	1470	9130	1800	4190	3480	14400	9170	2410	1590	1040	1340	555
14	1350	7560	2110	3970	2740	13900	15400	2680	1590	935	1110	535
15	1210	4960	2340	3250	2930	12500	17300	2670	1570	1300	780	505
16	1390	4450	2200	2860	4180	8800	17600	2380	1870	995	830	470
17	1290	3830	2020	2480	5350	8680	16100	2370	1640	825	1060	485
18	1260	2190	2080	3410	4860	13700	12100	3150	1460	1180	930	505
19	1270	2230	2060	4730	3710	15600	7070	4110	1700	1280	682	565
20	1140	2540	2060	3660	3400	16300	5640	7820	1820	950	575	540
21	1090	1890	2070	3130	3210	20000	5240	8560	1380	1070	555	520
22	1160	1680	1570	3440	3080	22600	5000	6760	1330	955	580	510
23	1420	1660	1380	7430	2800	25800	4910	7330	1700	869	590	495
24	1530	3960	1430	8720	2530	26700	5060	7470	1750	912	625	480
25	1490	7780	2060	7680	2300	24100	5050	6990	1660	892	555	490
26	1300	8380	2270	5260	2780	20100	4740	4730	2320	935	530	920
27	1520	7880	2220	3290	2140	15500	5120	3360	1870	1250	505	2030
28	1300	7130	2480	3210	2390	12800	5480	4030	1580	1410	490	930
29	1270	5530	2710	2770	2080	14000	4850	4120	1180	1290	480	1520
30	1610	4800	2680	2790	---	14400	3620	4420	1350	1620	530	2570
31	2470	---	2930	5010	---	14300	---	4080	---	1140	555	---
TOTAL	54410	132070	70050	118000	102980	419310	231060	125220	56860	36463	23937	22185
MEAN	1755	4402	2260	3806	3551	13530	7702	4039	1895	1176	772	740
MAX	5640	9660	4390	8720	6780	26700	17600	8560	3280	1830	1340	2570
MIN	1090	1410	1380	2330	2080	1700	3620	1870	1180	825	480	470

CAL YR 1979 TOTAL 1521343 MEAN 4168 MAX 26000 MIN 744 MEAN† 4182 CFSM† 2.61 IN.† 35.48
WTR YR 1980 TOTAL 1392545 MEAN 3805 MAX 26700 MIN 470 MEAN† 3804 CFSM† 2.38 IN.† 32.36

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02387500 OOSTANAULA RIVER AT RESACA, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 1969 to June 1974.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: July 1967 to current year.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum recorded, 28.5°C Aug. 21, 1980; minimum recorded, 1.0°C Jan. 9-14, 1970, Jan. 16, 17, 21-24, Feb. 1, 1977.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum, 28.5°C Aug. 21; minimum, 3.0°C Feb. 4.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	20.5	17.0	17.0	10.0	9.5	8.0	8.0	5.0	4.0	8.5	7.0
2	21.0	20.5	17.0	16.5	9.0	6.5	8.0	7.0	4.0	3.5	7.0	5.5
3	20.5	19.5	16.0	14.5	6.5	5.0	7.5	7.0	4.0	3.5	5.0	4.5
4	19.5	18.5	14.5	13.5	8.5	5.5	8.0	7.5	4.0	3.0	5.5	4.5
5	18.5	18.0	13.5	12.5	7.0	6.0	8.0	7.0	4.5	3.5	7.0	5.5
6	18.0	17.5	13.5	11.5	6.5	7.0	7.0	6.0	4.5	4.5	8.0	7.0
7	17.5	16.5	13.5	13.0	8.5	8.0	6.0	6.0	4.5	4.5	9.5	8.0
8	17.0	16.5	13.0	12.5	9.0	8.0	6.5	6.0	4.5	4.5	11.5	9.5
9	18.0	17.0	13.5	12.5	9.0	8.0	7.0	6.5	4.5	4.5	12.5	11.5
10	18.0	17.0	14.0	13.5	8.0	7.5	7.5	7.0	4.5	4.0	13.0	12.5
11	17.0	16.0	14.5	13.5	9.0	7.5	8.0	7.5	4.0	3.5	13.0	11.5
12	17.0	16.0	13.5	12.5	10.5	9.0	8.0	7.5	5.0	4.0	11.5	9.5
13	17.5	16.5	12.5	12.0	10.5	10.0	7.5	7.0	5.0	4.5	9.0	8.0
14	16.5	15.5	12.0	12.0	10.5	10.5	7.0	7.0	5.5	4.5	9.0	8.0
15	15.5	14.5	13.0	12.0	10.5	10.0	8.0	7.0	6.5	5.5	9.5	8.5
16	16.0	14.5	13.0	12.5	10.0	10.0	9.0	8.0	7.0	6.5	10.0	9.5
17	16.5	15.5	12.5	11.5	9.5	8.0	9.5	9.0	7.0	5.5	11.5	10.0
18	17.0	16.0	11.5	10.5	8.0	7.0	10.5	9.5	5.5	5.0	11.5	11.5
19	17.5	17.0	11.5	11.0	8.0	7.5	10.5	10.5	5.5	5.0	12.0	11.5
20	18.5	17.5	12.0	11.0	8.0	7.5	10.5	9.5	6.0	5.5	11.5	11.0
21	19.0	18.0	12.5	11.5	8.0	7.5	9.5	9.0	7.5	6.0	11.5	11.0
22	19.5	18.5	13.5	12.5	8.0	8.0	9.0	9.0	9.0	7.5	11.5	11.0
23	19.5	18.0	14.5	13.5	9.0	8.0	9.0	8.5	11.0	9.5	11.5	11.5
24	18.0	16.5	14.5	14.5	9.5	9.0	8.5	7.5	12.0	11.0	12.0	11.5
25	16.5	15.5	14.5	14.0	9.5	9.5	7.5	7.5	12.0	11.0	12.5	11.5
26	15.5	15.0	14.0	14.0	9.5	8.5	8.0	7.5	11.0	8.5	12.5	12.0
27	15.5	15.0	14.0	13.0	8.5	8.0	8.5	8.0	8.0	7.5	12.0	11.5
28	15.5	14.5	13.0	12.5	8.0	8.0	8.5	8.5	8.5	7.0	12.0	11.5
29	15.0	15.0	12.0	10.5	8.5	8.0	8.5	8.5	9.0	8.5	12.0	11.5
30	16.0	15.0	11.0	10.0	8.5	8.5	8.0	7.0	---	---	13.0	12.0
31	17.0	17.0	---	---	8.5	8.0	7.0	5.0	---	---	13.5	13.0
MONTH	21.0	14.5	17.0	10.0	10.5	5.0	10.5	5.0	12.0	3.0	13.5	4.5

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.5	12.5	15.0	14.5	---	---	23.0	22.0	26.5	25.5	26.5	25.5
2	13.5	13.0	15.5	14.5	---	---	24.0	22.5	26.5	25.0	26.5	25.5
3	13.5	13.0	15.5	15.0	---	---	24.0	23.5	26.0	25.5	27.0	25.0
4	14.0	13.5	16.5	15.0	---	---	23.5	23.0	26.0	24.5	26.5	25.5
5	14.0	12.5	17.5	16.5	---	---	25.0	23.5	26.5	24.0	26.5	25.5
6	13.0	12.5	17.5	16.0	---	---	25.0	24.0	27.5	25.5	27.0	25.5
7	13.5	13.0	17.0	16.0	---	---	25.5	24.0	27.5	25.5	27.0	25.5
8	14.0	13.0	17.0	16.5	---	---	25.0	23.0	28.0	26.0	26.5	25.0
9	14.0	13.5	17.0	16.5	---	---	26.5	24.5	28.0	26.0	26.5	24.5
10	14.0	13.0	16.5	16.0	---	---	26.5	25.0	28.0	26.0	26.5	25.0
11	14.5	13.5	18.0	16.5	---	---	26.5	24.5	27.0	25.5	26.0	24.5
12	14.5	14.0	19.0	18.0	---	---	26.5	25.0	26.5	25.0	25.5	24.5
13	14.5	14.5	18.5	17.5	---	---	27.5	25.5	26.0	25.5	26.0	24.0
14	14.5	14.0	17.5	17.5	---	---	27.0	25.5	27.5	26.0	26.0	24.5
15	14.0	13.5	17.5	17.5	---	---	26.5	24.0	27.0	26.0	26.0	24.5
16	13.5	13.0	18.0	17.5	---	---	26.5	25.5	27.0	25.5	25.5	24.0
17	14.0	13.0	18.0	18.0	---	---	27.0	25.0	26.5	25.5	25.5	24.0
18	14.0	13.5	19.0	18.0	22.5	21.5	25.5	24.0	26.5	25.5	24.5	23.5
19	14.0	13.5	19.0	19.0	22.0	21.5	25.5	24.5	27.5	26.0	24.0	23.5
20	14.5	14.0	---	---	22.0	21.5	26.5	25.0	28.0	26.0	25.0	23.5
21	15.0	14.0	---	---	22.0	21.5	26.0	24.5	28.5	26.5	25.5	24.5
22	15.5	14.5	18.5	17.5	22.5	21.0	25.5	24.5	28.0	26.0	26.0	24.5
23	15.5	14.5	17.5	17.5	22.5	22.0	25.5	24.0	27.5	26.0	26.0	24.5
24	15.5	15.0	18.0	17.5	22.5	21.5	25.5	24.5	27.0	25.5	26.0	25.0
25	16.5	15.0	18.5	18.0	22.0	21.5	26.0	24.5	26.5	25.5	25.5	24.0
26	17.0	16.0	---	---	22.0	21.0	26.0	25.0	27.0	25.5	24.0	23.0
27	17.5	17.0	---	---	24.0	22.0	25.0	24.5	26.5	25.0	24.0	23.0
28	17.0	15.5	---	---	23.5	23.0	26.0	24.5	26.5	24.5	22.5	20.5
29	15.5	15.0	---	---	24.0	23.5	25.5	24.5	26.0	25.5	20.5	20.5
30	15.0	14.5	---	---	24.5	22.0	25.0	23.5	25.5	24.5	20.5	19.5
31	---	---	---	---	---	---	25.5	24.5	26.5	24.5	---	---
MONTH	17.5	12.5	19.0	14.5	24.5	21.0	27.5	22.0	28.5	24.0	27.0	19.5
YEAR	28.5	3.0										

02387502 OOSTANAULA RIVER BELOW RESACA, GA.

LOCATION.--Lat 34°34'17", long 84°56'49", Gordon County, Hydrologic Unit 03150103, at bridge on Interstate Highway 75, 0.4 mi (0.6 km) west of Resaca, and 0.4 mi (0.6 km) upstream from Camp Creek.

DRAINAGE AREA.--1,600 mi^2 (4,140 km^2), revised.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulation reservoir. (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
23...	0945	1380	7.1	10.0	18.5	6.5
NOV						
27...	1100	7880	6.8	17.0	12.5	8.2
DEC						
11...	1115	2030	7.3	14.0	8.0	11.0
JAN						
30...	1140	2880	7.2	-.5	7.0	11.0
APR						
22...	0930	4790	6.8	20.0	14.0	9.8
MAY						
28...	1030	4080	6.9	28.0	19.0	8.6
JUN						
24...	0945	1880	7.1	23.0	21.5	7.5
JUL						
29...	0945	1140	7.3	29.0	24.0	5.3
AUG						
26...	0730	525	7.4	17.0	24.0	5.2
SEP						
24...	0800	485	7.1	23.5	24.5	5.5

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
23...	113	10	1.4	2300	50	46	.18	.030	.200	1.0
NOV										
27...	90	30	1.4	2300	36	31	.20	.080	.100	4.2
DEC										
11...	103	14	.2	40	45	41	.30	.040	.060	<1.0
JAN										
30...	95	9	1.6	--	90	35	.30	.200	.130	1.0
APR										
22...	59	15	.8	90	26	22	.23	.050	<.020	1.0
MAY										
28...	62	17	.8	70	34	22	.23	.020	.090	3.5
JUN										
24...	80	12	.9	430	42	28	.18	.020	.060	2.0
JUL										
29...	77	28	1.0	1500	46	41	.34	<.020	.210	3.0
AUG										
26...	135	11	.8	90	46	42	.28	.070	.420	2.0
SEP										
24...	141	8	1.0	200	56	47	.37	.040	.850	5.0

02388000 WEST ARMUCHEE CREEK NEAR SUBLIGNA, GA.

LOCATION.--Lat 34°34'04", long 85°09'16", Chattooga County, Hydrologic Unit 03150103, on left bank 500 ft (152 m) downstream from bridge on county road, 1 mi (1.6 km) upstream from Ruff Creek, and 2 mi (3.2 km) east of Subligna.
DRAINAGE AREA.--36.4 mi^2 (94.3 km^2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1939 to June 1940, May 1960 to current year. Monthly discharge only for some periods, published in WSP 1304.
GAGE.--Water-stage recorder. Altitude of gage is 750 ft (229 m), from topographic map.
REMARKS.--Records fair except those for period of no gage-height record, Jan. 7 to Feb. 4, which are poor.
AVERAGE DISCHARGE.--20 years, 68.6 ft^3/s (1.94 m^3/s), 25.59 in/yr (650 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,670 ft^3/s (274 m^3/s) Mar. 4, 1966, gage height, 11.33 ft (3.453 m), from rating curve extended above 3,000 ft^3/s (85.0 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 3.1 ft^3/s (0.088 m^3/s) Aug. 29, 1939.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29, 1951, reached a stage of 12.1 ft (3.69 m), from floodmarks; discharge, 12,400 ft^3/s (351 m^3/s), as explained above.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,100 ft^3/s (31.2 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 10	0645	2170	61.5	7.77	2.368	Mar. 21	0345	*3710	105	9.07	2.765
Mar. 8	0145	3670	104	9.05	2.759	Apr. 13	2015	3320	94.0	8.83	2.691
Mar. 17	1715	2580	73.1	8.27	2.521						

Minimum daily discharge, 7.8 ft^3/s (0.221 m^3/s) Sept. 14-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	19	67	75	130	43	117	48	41	15	11	9.8
2	93	77	61	68	90	42	100	45	37	14	11	9.6
3	70	58	57	59	80	38	89	41	34	14	11	9.3
4	79	40	52	94	70	38	80	38	31	13	11	8.7
5	65	34	51	98	66	77	68	35	29	13	11	9.0
6	53	30	48	86	64	81	62	33	27	13	11	11
7	45	28	44	78	60	545	58	32	26	13	11	9.8
8	38	24	40	125	55	1860	61	35	24	13	11	9.3
9	34	98	38	100	103	356	56	31	23	12	11	8.7
10	38	1330	36	80	163	202	50	29	22	12	11	8.4
11	32	328	34	110	130	141	48	27	21	12	13	8.1
12	29	197	33	130	113	249	589	26	20	12	15	8.0
13	26	144	38	150	98	482	1180	25	19	11	12	7.9
14	24	106	39	120	89	233	752	26	18	11	11	7.8
15	23	86	34	90	84	158	259	27	18	11	12	7.8
16	22	74	33	70	171	123	164	26	18	11	12	7.8
17	20	62	31	70	134	1270	120	62	19	13	12	8.1
18	18	54	30	110	104	614	98	87	18	11	23	8.7
19	18	48	29	85	91	271	84	74	18	11	44	9.0
20	17	43	29	75	87	732	73	248	17	11	13	8.7
21	17	40	27	70	76	1620	65	148	16	10	12	8.7
22	16	37	27	350	69	319	58	117	15	12	11	8.9
23	24	40	27	700	63	201	53	167	44	17	11	8.7
24	19	163	46	300	58	259	49	303	37	12	11	8.8
25	16	166	59	150	54	195	47	166	55	12	10	10
26	15	198	53	110	50	149	70	105	24	12	9.9	11
27	14	138	48	90	47	119	61	78	19	12	9.6	9.3
28	14	122	43	80	46	563	54	64	17	13	9.3	20
29	15	98	41	70	43	318	54	56	16	12	9.6	26
30	16	84	72	90	---	209	51	50	16	12	10	65
31	14	---	81	220	---	151	---	45	---	11	10	---
TOTAL	1039	3966	1348	4103	2488	11658	4670	2294	739	381	390.4	351.9
MEAN	33.5	132	43.5	132	85.8	376	156	74.0	24.6	12.3	12.6	11.7
MAX	115	1330	81	700	171	1860	1180	303	55	17	44	65
MIN	14	19	27	59	43	38	47	25	15	10	9.3	7.8
CFSM	.92	3.63	1.20	3.63	2.36	10.3	4.29	2.03	.68	.34	.35	.32
IN.	1.06	4.05	1.38	4.19	2.54	11.91	4.77	2.34	.76	.39	.40	.36

CAL YR 1979 TOTAL 36560.0 MEAN 100 MAX 2910 MIN 13 CFSM 2.75 IN 37.36
WTR YR 1980 TOTAL 33428.3 MEAN 91.3 MAX 1860 MIN 7.8 CFSM 2.51 IN 34.16

02388000 WEST ARMUCHEE CREEK NEAR SUBLIGNA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
02...	1400	98	19.5	35	9.3
NOV					
14...	1610	102	12.5	22	6.1
FEB					
05...	1115	66	6.0	4	.71
MAR					
18...	1530	474	--	135	173
APR					
28...	1520	54	15.0	5	.73
JUN					
10...	1640	21	20.0	8	.45
JUL					
22...	1355	11	24.0	13	.39
SEP					
03...	1705	8.9	--	9	.22

02388300 HEATH CREEK NEAR ROME, GA.

LOCATION.--Lat 34°21'57", long 85°16'17", Floyd County, Hydrologic Unit 03150103, on upstream left wingwall of bridge on county road, 4 mi (6.4 km) upstream from Little Armuchee Creek, and 9.5 mi (15.3 km) northwest of Rome.
DRAINAGE AREA.--14.7 mi^2 (38.1 km^2), revised.
PERIOD OF RECORD.--May 1968 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 650 ft (198 m), from topographic map.
REMARKS.--Records fair except those for period of no gage-height record, Aug. 18 to Sept. 30, which are poor.
AVERAGE DISCHARGE.--12 years, 28.1 ft^3/s (0.80 m^3/s), 25.96 in/yr (659 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.03 ft (3.057 m) Mar. 4, 1979 (discharge not determined); minimum daily discharge, 1.2 ft^3/s (0.034 m^3/s) Aug. 31 to Sept. 6, 1977, Oct. 5-7, 11, 13-21, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 400 ft^3/s (11.3 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 23	0015	499	14.1	5.86	1.786
Mar. 8	0245	not determined		*8.20	2.499
Mar. 13	0500	678	19.2	6.79	2.070
Mar. 17	1930	805	22.8	7.34	2.237
Mar. 21	0545	798	22.6	7.31	2.228
Mar. 28	1600	618	22.6	6.49	1.978
Apr. 13	2130	762	21.6	7.17	2.185
May 19	1700	458	13.0	5.59	1.704
May 23	0015	532	15.1	6.06	1.847

Minimum daily discharge, 1.6 ft^3/s (0.045 m^3/s) Sept. 14-17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	12	21	21	66	14	78	24	14	4.6	1.8	3.0
2	35	34	18	20	50	15	59	20	12	4.2	1.9	2.3
3	24	20	16	17	41	13	48	17	12	4.0	1.7	4.0
4	35	16	15	40	34	13	41	15	10	3.4	2.1	3.0
5	25	14	15	38	28	47	32	14	9.3	3.2	2.2	2.2
6	18	13	15	32	27	45	27	13	8.8	3.0	2.1	2.0
7	15	12	13	31	24	159	24	12	8.1	3.0	1.8	1.9
8	14	11	12	42	20	731	25	11	8.8	2.8	2.7	1.9
9	12	13	11	34	52	240	21	11	7.1	2.5	2.5	1.8
10	12	206	11	29	93	127	18	9.5	7.0	2.4	2.4	1.8
11	11	112	10	50	68	79	16	9.2	6.6	2.3	3.2	1.7
12	9.9	72	11	59	52	233	154	8.4	6.3	2.3	2.8	1.7
13	8.6	51	11	49	42	495	334	8.3	6.1	2.2	2.9	1.7
14	7.8	38	11	40	35	184	373	8.8	6.0	2.2	2.5	1.6
15	8.1	30	10	33	31	108	148	7.9	5.8	2.2	2.4	1.6
16	7.3	25	9.8	26	36	72	88	7.4	5.6	2.1	2.6	1.6
17	7.1	21	9.1	26	27	453	59	34	5.5	2.1	2.4	1.6
18	6.8	18	8.6	40	24	377	47	34	6.3	2.0	2.3	3.0
19	6.4	16	8.4	33	22	151	36	210	6.4	2.0	2.2	2.3
20	6.3	15	8.2	29	24	212	29	318	5.7	2.0	2.1	1.9
21	6.1	14	7.9	26	21	528	24	140	5.5	1.9	2.1	1.8
22	6.6	13	7.8	175	20	192	21	167	5.4	1.8	2.0	1.8
23	12	15	7.7	264	18	118	18	283	6.2	2.1	2.0	1.8
24	7.9	73	16	108	16	155	16	153	8.1	2.4	2.0	2.0
25	7.1	60	15	68	16	104	15	87	14	2.9	1.9	5.0
26	6.5	58	13	50	14	76	43	54	6.6	2.2	1.9	8.0
27	6.2	44	12	41	14	58	61	36	6.0	2.3	1.9	6.0
28	6.0	37	11	32	14	430	41	28	5.3	2.2	1.9	10
29	7.8	29	11	27	13	247	38	22	5.1	2.3	2.5	40
30	12	24	23	31	---	171	28	18	5.4	2.0	8.0	20
31	8.3	---	20	127	---	112	---	16	---	1.9	4.0	---
TOTAL	407.8	1116	388.5	1638	942	5959	1962	1796.5	225.0	78.5	76.8	139.0
MEAN	13.2	37.2	12.5	52.8	32.5	192	65.4	58.0	7.50	2.53	2.48	4.63
MAX	52	206	23	264	93	731	373	318	14	4.6	8.0	40
MIN	6.0	11	7.7	17	13	13	15	7.4	5.1	1.8	1.7	1.6
CFSM	.90	2.53	.85	3.59	2.21	13.1	4.45	3.95	.51	.17	.17	.32
IN.	1.03	2.82	.98	4.14	2.38	15.08	4.96	4.55	.57	.20	.19	.35

CAL YR 1979 TOTAL 14226.4 MEAN 39.0 MAX 1000 MIN 3.0 CFSM 2.65 IN 36.00
WTR YR 1980 TOTAL 14729.1 MEAN 40.2 MAX 731 MIN 1.6 CFSM 2.74 IN 37.27

02388500 OOSTANAULA RIVER NEAR ROME, GA.

LOCATION.—Lat 34°18'02", long 85°08'30", Floyd County, Hydrologic Unit 03150103, on left bank 1.2 mi (1.9 km) upstream from Dry Creek, 4.5 mi (7.2 km) north of Rome, 4.5 mi (7.2 km) upstream from confluence with Etowah River, and 6.5 mi (10.5 km) downstream from Armuchee Creek.

DRAINAGE AREA.—2,120 mi^2 (5,490 km^2), approximately.

PERIOD OF RECORD.—October 1939 to current year, in reports of the U.S. Geological Survey. Gage-height records collected at site 4.2 mi (6.8 km) downstream since 1890 are contained in reports of National Weather Service.

GAGE.—Water-stage recorder. Datum of gage is 561.70 ft (171.206 m), National Geodetic Vertical Datum of 1929. Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder at site 3.2 mi (5.1 km) downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi (6.8 km) downstream. Nonrecording gage at site of auxiliary gage used as base gage for records published as Coosa River at Rome, Jan. 1, 1897, to Dec. 31, 1903.

REMARKS.—Records good. Flow regulated by Carters Lake and re-regulation dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-74, are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—41 years, 3,673 ft^3/s (104 m^3/s), 23.55 in/yr (598 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 47,000 ft^3/s (1,330 m^3/s) Jan. 23, 1947; maximum gage height, 35.13 ft (10.708 m) Jan. 22, 1947; minimum daily discharge, 408 ft^3/s (11.6 m^3/s) Oct. 25, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 40.3 ft (12.28 m) in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 28,100 ft^3/s (796 m^3/s) Mar. 25; maximum gage height, 31.90 ft (9.723 m) Mar. 22 (backwater from Etowah River); minimum daily discharge, 556 ft^3/s (15.7 m^3/s) Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10300	2760	5000	4580	8400	2840	16900	4680	4770	1800	1140	602
2	5620	2780	4000	3940	8600	3120	14300	4410	3610	1880	971	660
3	3590	4490	3300	3160	6650	3170	10500	4530	3740	1560	861	859
4	2990	5220	4200	3560	4900	2550	8570	4690	4340	1440	886	751
5	3210	4200	3900	4670	4410	3090	7790	3840	4110	1560	932	704
6	3690	3500	3500	5340	3990	6110	7300	3310	3030	1400	954	741
7	3260	2600	3000	4540	3740	8400	6930	3740	1880	1340	974	670
8	2440	2000	2600	4400	3650	15600	6790	3880	2060	1550	957	619
9	2370	1800	2400	5040	3910	23000	6960	3680	2650	1470	894	653
10	2290	3000	2500	4940	6790	22700	6950	3900	2420	1110	772	769
11	2110	8000	2300	4480	8430	21000	6390	3600	1910	1030	738	773
12	1840	11500	2400	5710	7020	18500	7040	2790	1960	1140	1030	685
13	1780	12500	2800	6200	6040	18000	11000	2440	2050	982	1110	649
14	1720	11000	3200	6140	4600	22000	17100	3080	1930	1040	1340	602
15	1490	7880	2900	4800	4060	24000	22000	3330	1670	963	996	562
16	1470	6060	2600	4410	5240	22000	20200	3080	1860	1360	801	570
17	1550	5750	2400	3650	6880	20000	18500	2950	2130	942	886	615
18	1480	4260	2420	4140	7180	18000	17200	3770	1650	937	974	635
19	1480	2760	2530	5870	5560	20600	13500	5530	1720	1260	832	643
20	1420	2900	2470	6180	5170	19100	8450	9900	1980	1160	791	663
21	1250	2400	2480	4680	4470	20900	6700	12100	1790	928	701	558
22	1100	2200	2370	4940	4480	26700	6210	10500	1410	1070	699	556
23	1620	2700	1720	9420	4150	26800	5940	10800	1490	986	707	578
24	1760	4000	1660	11100	3810	25900	5910	11000	2240	942	674	586
25	1760	6500	2360	11000	3220	27600	5970	10800	2540	965	610	663
26	1660	10500	2940	8980	3210	27500	5900	8410	2400	931	609	725
27	1870	11500	2800	6080	3300	24000	6400	5840	2790	1010	581	1560
28	1580	11000	2910	4910	2900	21500	6520	4990	1830	1460	613	1690
29	1370	8500	3420	4010	2920	21900	6410	5360	1640	1290	594	1090
30	1600	6000	3990	3970	---	20300	5380	5420	1150	1510	629	2840
31	2370	---	4080	6450	---	18100	---	5750	---	1430	631	---
TOTAL	74040	170260	91150	171290	147680	554980	295710	172100	70750	38446	25887	24271
MEAN	2388	5675	2940	5525	5092	17900	9857	5552	2358	1240	835	809
MAX	10300	12500	5000	11100	8600	27600	22000	12100	4770	1880	1340	2840
MIN	1100	1800	1660	3160	2900	2550	5380	2440	1150	928	581	556

CAL YR 1979 TOTAL 2075006 MEAN 5685 MAX 31000 MIN 945 MEAN† 5671 CFSM† 2.68 IN.† 36.31
WTR YR 1980 TOTAL 1836564 MEAN 5018 MAX 27600 MIN 556 MEAN† 5017 CFSM† 2.37 IN.† 32.21

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02388520 OOSTANAULA RIVER AT ROME, GA.

LOCATION.—Lat 34°16'13", long 85°10'24", Floyd County, Hydrologic Unit 03150103, at Southern Railway bridge at pumping station at city of Rome water works, 1.2 mi (1.9 km) upstream from confluence with Etowah River.

DRAINAGE AREA.—2,150 mi^2 (5,570 km^2), approximately.

PERIOD OF RECORD.—August 1974 to current year.

REMARKS.—Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
24...	1245	1900	7.4	15.0	17.5	6.5
NOV						
28...	0845	10800	7.2	8.5	12.0	8.5
DEC						
12...	1430	2680	7.4	24.0	9.0	10.6
JAN						
29...	1015	4120	6.9	3.5	8.0	9.8
MAR						
13...	1630	18000	7.0	7.0	9.0	9.8
APR						
23...	1030	5900	7.1	25.0	16.5	7.0
MAY						
27...	1515	6400	7.1	32.0	20.0	8.0
JUN						
25...	0930	2850	6.9	23.0	22.0	6.5
JUL						
30...	1400	1620	7.7	32.0	26.0	5.9
AUG						
27...	1030	575	7.4	26.0	26.0	6.0
SEP						
25...	0730	620	7.4	21.0	25.0	5.8

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)
OCT							
24...	138	9	--	1.1	23000	750	60
NOV							
28...	92	54	--	2.3	33000	2600	40
DEC							
12...	116	11	--	.5	2300	2300	48
JAN							
29...	92	14	--	1.3	4300	930	46
MAR							
13...	69	40	--	1.8	430000	23000	30
APR							
23...	73	14	--	.8	23000	1500	30
MAY							
27...	90	31	--	1.1	9300	930	54
JUN							
25...	102	170	--	5.8	230000	4300	36
JUL							
30...	100	24	11	1.5	9300	140	58
AUG							
27...	141	10	8	.6	21000	230	56
SEP							
25...	160	7	10	.8	4300	230	61

02388520 OOSTANAULA RIVER AT ROME, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
24...	53	8	.23	.030	--	.200	2.0
NOV							
28...	34	88	.23	.060	--	.130	1.5
DEC							
12...	49	1	.36	<.020	--	.080	<1.0
JAN							
29...	37	23	.30	.040	--	.040	4.0
MAR							
13...	23	21	.21	.040	--	.110	4.0
APR							
23...	28	22	.26	.020	--	.030	<1.0
MAY							
27...	36	65	.34	<.020	--	.090	2.0
JUN							
25...	28	394	.28	.080	--	.330	6.0
JUL							
30...	54	22	.41	.040	.20	.230	3.0
AUG							
27...	52	20	.39	.040	.30	.230	1.0
SEP							
25...	53	10	.52	.050	.51	.330	2.0

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.

LOCATION.--Lat 34°15'24", long 85°10'18", Floyd County, Hydrologic Unit 03150103, at Fifth Avenue Bridge at Rome, and 0.3 mi (0.5 km) upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi^2 (5,570 km^2), approximately.

PERIOD OF RECORD.--October 1939 to current year. October 1971 to current year in reports of U.S. Geological Survey. Gage-height records since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft (171.206 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Carters Lake and re-regulation dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).

EXTREMES FOR PERIOD OF RECORD.--Since October 1939, maximum gage height, 34.5 ft (10.52 m) Jan. 22, 1947. From 1890 to September 1939, maximum gage height, 37.2 ft (11.34 m) Jan. 15, 1892.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since at least 1834, 40.3 ft (12.28 m) in April 1886, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 28.67 ft (8.739 m) Mar. 22.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.75	7.11	---	6.80	12.71	6.04	23.34	12.30	7.37	7.57	5.19	3.39
2	10.14	7.29	---	6.65	12.20	6.02	21.78	12.06	6.42	6.92	5.13	4.18
3	8.44	8.53	---	7.15	8.94	6.83	18.90	12.11	7.26	6.78	3.71	4.83
4	7.94	7.58	---	7.49	8.17	7.04	16.65	12.23	8.02	5.96	3.72	4.28
5	8.30	---	---	7.98	8.60	7.43	15.59	11.59	8.13	6.08	4.71	4.24
6	8.53	---	---	7.37	8.23	10.36	14.91	11.15	7.38	6.19	4.74	4.75
7	6.24	---	---	7.01	8.07	11.22	14.43	11.51	5.68	5.24	4.85	3.30
8	5.42	---	---	7.98	7.95	23.54	14.26	11.64	5.09	5.68	5.22	3.23
9	6.52	---	---	8.54	8.11	27.05	14.41	11.50	5.52	5.86	5.02	4.13
10	6.51	---	---	8.55	10.31	24.11	14.35	9.81	6.71	5.40	3.54	4.26
11	7.17	---	---	8.25	11.35	22.04	13.81	7.66	6.34	5.06	3.46	4.26
12	6.94	---	---	9.61	10.55	22.57	14.87	5.95	6.99	6.16	4.68	3.27
13	6.83	---	---	8.88	9.53	26.14	19.69	8.15	7.48	3.98	4.79	4.09
14	4.72	---	---	8.69	8.47	25.16	26.81	8.78	7.36	5.02	5.46	4.04
15	4.45	---	---	9.86	7.71	21.88	26.12	9.01	4.83	4.84	4.70	3.07
16	5.93	---	---	9.38	8.70	19.84	23.66	8.80	4.89	4.97	4.47	3.96
17	6.06	---	---	8.99	9.47	20.49	22.91	8.54	5.98	4.61	3.63	4.14
18	6.00	---	5.97	10.59	9.81	25.05	22.56	6.73	5.70	4.59	3.74	4.20
19	5.98	---	6.05	11.79	9.84	23.40	20.69	8.21	5.70	4.87	4.53	4.13
20	5.94	---	5.99	9.28	9.57	22.10	16.41	15.74	5.85	4.07	4.47	4.16
21	4.21	---	5.99	8.01	9.00	26.88	14.26	17.66	5.71	3.79	4.28	3.08
22	4.39	---	5.69	11.56	8.94	28.22	13.66	16.49	4.52	4.76	4.30	3.04
23	6.21	---	4.62	16.29	8.20	25.97	13.34	18.30	4.72	4.71	4.30	4.00
24	6.35	---	4.80	17.00	6.65	25.58	13.27	19.05	6.79	4.75	3.34	4.00
25	6.34	---	6.00	16.24	6.61	26.52	13.32	17.46	7.92	4.73	3.27	4.21
26	7.15	---	5.83	13.84	8.02	26.28	13.52	14.89	8.44	4.64	4.17	3.49
27	7.13	---	6.52	8.74	8.20	25.74	14.30	12.01	7.91	4.09	3.21	4.86
28	4.55	---	6.56	8.02	7.81	26.14	14.20	11.16	7.07	4.47	3.92	4.49
29	4.44	---	6.74	9.12	6.64	26.91	13.93	11.44	4.82	5.06	3.64	4.16
30	6.16	---	6.36	9.05	---	25.30	13.06	11.41	4.66	5.15	3.98	6.94
31	6.72	---	6.45	11.28	---	24.34	---	10.88	---	5.29	3.53	---
MEAN	6.56	---	---	9.68	8.91	20.84	17.10	11.75	6.38	5.20	4.25	4.07
MAX	11.75	---	---	17.00	12.71	28.22	26.81	19.05	8.44	7.57	5.46	6.94
MIN	4.21	---	---	6.65	6.61	6.02	13.06	5.95	4.52	3.79	3.21	3.04

02389000 ETOWAH RIVER NEAR DAWSONVILLE, GA.

LOCATION.—Lat 34°22'57", long 84°03'21", Dawson County, Hydrologic Unit 03150104, on left bank 0.4 mi (0.6 km) upstream from Palmer Creek, 0.5 mi (0.8 km) upstream from bridge on State Highway 53, 1.2 mi (1.9 km) downstream from Russell Creek, 4 mi (6.4 km) southeast of Dawsonville, and 7.5 mi (12.1 km) upstream from Shoal Creek.
DRAINAGE AREA.—107 mi^2 (277 km^2), revised.
PERIOD OF RECORD.—November 1970 to current year. Water-discharge records for the period April 1940 to Sept. 1976 are in reports published by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
31...	0845	280	13	6.6	14.0	9.6
JUN						
11...	0915	315	17	6.9	17.0	9.4

DATE	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT										
31...	25	8.0	5	0	1.2	.6	1.4	.4	6	2.3
JUN										
11...	5	1.5	4	2	.9	.5	1.3	.5	2	1.9

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT										
31...	1.3	.0	8.1	25	18.9	.02	.000	.17	.17	.00
JUN										
11...	1.0	.0	8.5	28	23.8	.11	.010	.24	.25	.20

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)
OCT										
31...	.19	.19	.020	.06	.000	40	0	0	0	<10
JUN										
11...	.05	.36	.010	.03	.010	0	1	0	0	<10

DATE	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
31...	2	60	2	2	4	<.1	<.1	0	10	1.5
JUN										
11...	0	50	1	0	10	<.1	<.1	0	3	1.1

02392000 ETOWAH RIVER AT CANTON, GA.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, on left bank 100 ft (30 m) downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi (1.3 km) upstream from Canton Creek, and 1.8 mi (2.9 km) downstream from Hickory Log Creek.

DRAINAGE AREA.--613 mi2 (1,590 km2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1892 to December 1905 (prior to 1896, gage heights only), October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1946(M).

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft (257.419 m) National Geodetic Vertical Datum of 1929. March 1892 to December 1905, nonrecording gage at site 100 ft (30 m) upstream at datum 2.0 ft (0.61 m) higher. Mar. 16, 1937, to Jan. 17, 1939, nonrecording gage at site 100 ft (30 m) upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station.

REMARKS.--Records good.

AVERAGE DISCHARGE.--53 years (1896-1905, 1936-80), 1,258 ft3/s (35.6 m3/s), 27.87 in/yr (708 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,300 ft3/s (915 m3/s) Jan. 7, 1946, gage height, 26.7 ft (8.14 m); minimum, 178 ft3/s (5.04 m3/s) Sept. 29, 30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known, 36,700 ft3/s (1,040 m3/s) in January 1892, gage height, 25.0 ft (7.62 m), present datum, from National Weather Service.

Maximum stage known since at least 1892, that of Jan. 7, 1946.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,500 ft3/s (184 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 9	0200	*14900	422	20.17	6.148
Mar. 13	1200	8210	233	14.53	4.429
Mar. 18	2200	14200	402	19.70	6.005
Mar. 21	2200	12800	362	18.80	5.730
Mar. 29	0900	11600	329	18.01	5.489
Apr. 14	1300	9960	282	16.33	4.977

Minimum daily discharge, 335 ft^3/s (9.49 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1290	960	1180	895	1770	1100	3630	2400	1660	1130	670	736
2	1080	1660	1120	895	1440	1170	3320	2310	1600	1070	648	692
3	970	2150	1070	855	1330	1100	3120	2260	1540	1050	628	563
4	1000	1340	1040	855	1260	1110	2870	2150	1490	1020	616	505
5	1510	1100	1020	995	1200	1940	2860	2040	1430	996	637	482
6	1190	985	1010	920	1200	2900	2710	1930	1400	967	614	476
7	1030	925	1000	875	1190	2090	2570	1880	1400	939	581	469
8	935	880	970	915	1150	11400	2470	1790	1360	913	573	436
9	880	860	935	970	1320	11500	2770	1740	1310	887	557	405
10	860	1300	915	925	1960	3770	2580	1700	1270	869	536	392
11	845	1860	910	1160	1780	2900	2400	1670	1240	856	583	388
12	815	1700	905	2730	1530	3000	2680	1630	1200	843	716	380
13	790	1460	915	1680	1400	7350	4570	1590	1180	812	647	371
14	760	1260	970	1400	1310	4180	8590	1590	1170	779	577	363
15	740	1140	910	1300	1280	2980	5350	1580	1150	769	540	351
16	735	1060	855	1140	1510	2590	3600	1590	1120	768	566	335
17	730	1050	840	1370	1940	4300	3100	1760	1170	739	554	360
18	720	1000	815	3040	1570	13000	2820	2690	1380	711	531	604
19	710	965	805	2930	1410	8560	2680	2410	1340	694	514	500
20	710	930	805	1930	1380	5130	2700	3240	1180	677	571	449
21	715	910	790	1610	1350	10800	2490	2880	1110	667	526	480
22	715	890	780	1660	1300	10300	2340	2240	1080	661	483	483
23	770	885	775	3740	1300	4880	2180	3180	1080	689	460	461
24	860	1200	810	2370	1240	4840	2020	3540	2340	783	467	450
25	750	1600	1040	1840	1180	5520	2070	2820	3140	795	496	614
26	710	2860	955	1620	1140	4000	2350	2330	1940	865	485	944
27	695	2240	860	1460	1120	3530	2580	2060	1550	949	444	617
28	685	1650	815	1370	1110	4650	2500	1880	1330	1030	417	543
29	700	1410	795	1280	1100	9810	2420	1800	1220	860	419	1080
30	1130	1260	835	1230	---	5120	2460	1910	1200	742	636	1700
31	1300	---	940	1760	---	4520	---	1780	---	696	604	---
TOTAL	27330	39490	28385	47720	39770	160040	90800	66370	42580	26226	17296	16629
MEAN	882	1316	916	1539	1371	5163	3027	2141	1419	846	558	554
MAX	1510	2860	1180	3740	1960	13000	8590	3540	3140	1130	716	1700
MIN	685	860	775	855	1100	1100	2020	1580	1080	661	417	335
CFSM	1.44	2.15	1.49	2.51	2.24	8.42	4.94	3.49	2.32	1.38	.91	.90
IN.	1.66	2.40	1.72	2.90	2.41	9.71	5.51	4.03	2.58	1.59	1.05	1.01

CAL YR 1979 TOTAL 605836 MEAN 1660 MAX 20200 MIN 581 CFSM 2.71 IN 36.77
WTR YR 1980 TOTAL 602636 MEAN 1647 MAX 13000 MIN 335 CFSM 2.69 IN 36.57

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.64	2.98	3.41	2.85	4.59	3.27	13.98	6.47	4.38	3.33	2.40	2.53
2	3.23	4.37	3.30	2.85	3.94	3.40	13.55	6.02	4.26	3.21	2.36	2.44
3	3.00	5.36	3.20	2.75	3.72	3.27	13.19	5.59	4.14	3.16	2.32	2.19
4	3.06	3.74	3.14	2.77	3.59	3.29	12.88	5.36	4.04	3.10	2.29	2.07
5	4.08	3.27	3.11	3.05	3.46	4.94	12.45	5.15	3.92	3.05	2.33	2.02
6	3.45	3.03	3.09	2.90	3.46	6.86	12.02	4.92	3.85	2.99	2.29	2.01
7	3.12	2.90	3.07	2.81	3.44	5.24	11.59	4.83	3.86	2.94	2.22	2.00
8	2.93	2.82	3.00	2.89	3.37	17.21	11.27	4.64	3.78	2.89	2.21	1.93
9	2.82	2.78	2.93	3.00	3.70	17.24	11.16	4.55	3.68	2.83	2.17	1.87
10	2.78	3.67	2.89	2.91	4.98	8.53	10.62	4.47	3.59	2.80	2.13	1.85
11	2.75	4.78	2.88	3.39	4.61	6.85	10.12	4.40	3.55	2.77	2.23	1.84
12	2.69	4.46	2.87	6.52	4.12	6.95	10.22	4.33	3.47	2.75	2.49	1.82
13	2.64	3.97	2.89	4.42	3.85	13.49	11.37	4.25	3.42	2.68	2.35	1.80
14	2.58	3.59	3.00	3.85	3.68	9.18	15.71	4.24	3.40	2.62	2.21	1.79
15	2.54	3.33	2.88	3.65	3.61	7.02	13.25	4.23	3.37	2.60	2.14	1.76
16	2.53	3.19	2.77	3.35	4.08	6.24	12.53	4.25	3.30	2.60	2.19	1.73
17	2.52	3.16	2.74	3.80	4.93	8.90	12.07	4.58	3.40	2.54	2.17	1.78
18	2.50	3.07	2.69	7.11	4.20	18.85	11.63	6.44	3.83	2.48	2.12	2.27
19	2.48	2.99	2.67	6.92	3.89	14.39	11.22	5.88	3.73	2.45	2.09	2.06
20	2.48	2.92	2.67	4.92	3.81	10.57	10.80	7.53	3.43	2.41	2.20	1.96
21	2.49	2.88	2.64	4.28	3.77	16.99	10.36	6.82	3.29	2.39	2.11	2.02
22	2.49	2.84	2.62	4.48	3.66	16.48	9.92	5.54	3.21	2.38	2.03	2.03
23	2.60	2.83	2.61	8.46	3.66	12.81	9.47	7.37	3.22	2.44	1.98	1.98
24	2.78	3.47	2.68	5.80	3.53	12.97	9.01	8.11	5.68	2.63	1.99	1.96
25	2.56	4.26	3.14	4.75	3.43	13.54	8.56	6.71	7.29	2.65	2.05	2.29
26	2.48	6.78	2.97	4.30	3.35	12.81	8.28	5.71	4.94	2.79	2.03	2.95
27	2.45	5.54	2.78	3.97	3.30	12.35	8.23	5.17	4.16	2.96	1.95	2.29
28	2.43	4.36	2.69	3.80	3.29	13.87	7.75	4.82	3.71	3.12	1.90	2.15
29	2.46	3.89	2.65	3.62	3.27	17.29	7.26	4.67	3.50	2.78	1.90	3.22
30	3.32	3.59	2.73	3.52	---	14.89	6.85	4.88	3.46	2.54	2.33	4.46
31	3.65	---	2.94	4.57	---	14.54	---	4.61	---	2.45	2.27	---
MEAN	2.82	3.69	2.89	4.14	3.80	10.78	10.91	5.37	3.90	2.75	2.18	2.17
MAX	4.08	6.78	3.41	8.46	4.98	18.85	15.71	8.11	7.29	3.33	2.49	4.46
MIN	2.43	2.78	2.61	2.75	3.27	3.27	6.85	4.23	3.21	2.38	1.90	1.73

WTR YR 1980 MEAN 4.62 MAX 18.85 MIN 1.73

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1971 to September 1976.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 26.0°C July 24, 1972; minimum recorded, 2.5°C Dec. 26, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
25...	1125	755	7.0	14.5	13.0	9.1
JAN						
30...	1415	1220	6.8	2.0	6.5	12.0
APR						
24...	0900	2040	6.7	20.0	17.5	8.8
JUL						
31...	1120	695	6.8	31.0	23.0	7.5

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
25...	35	7	.9	40	15	.04	.020	<.020	<1.0
JAN									
30...	31	12	.9	230	12	.26	.020	<.020	<1.0
APR									
24...	27	10	.4	90	10	.17	.020	<.020	<1.0
JUL									
31...	14	21	.5	930	13	.15	<.020	.040	2.0

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.

LOCATION.—Lat 34°09'47", long 84°44'28", Bartow County, Hydrologic Unit 03150104, on right bank 0.8 mi (1.3 km) downstream from Allatoona Dam, 2 mi (3.2 km) upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3 mi (4.8 km) east of Cartersville.

DRAINAGE AREA.—1,120 mi2 (2,900 km2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

REVISED RECORDS.—WSP 1032: 1944.

GAGE.—Water-stage recorder. Datum of gage is 686.92 ft (209.373 m), National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

REMARKS.—Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)

AVERAGE DISCHARGE.—42 years, 1,931 ft3/s (54.7 m3/s), 23.41 in/yr (595 mm/yr), adjusted for storage since 1950.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 40,400 ft3/s (1,140 m3/s) Jan. 8, 1946, gage height, 20.8 ft (6.34 m), from rating curve extended above 26,000 ft3/s (736 m3/s); minimum daily, 152 ft3/s (4.30 m3/s) Oct. 15, 1966.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 9,170 ft3/s (260 m3/s) Mar. 3, gage height, 7.48 ft (2.280 m); minimum daily, 294 ft3/s (8.33 m3/s) Sept. 6, 11, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3500	2720	333	332	3700	317	7770	7730	318	3660	2210	1470
2	3470	2730	335	2430	323	595	7720	7770	1570	4010	305	2160
3	3460	309	5560	2400	322	3130	7590	7840	2050	2560	312	1450
4	3490	305	5580	2440	2450	1780	7570	7860	2450	2580	1690	1450
5	3470	5360	5630	341	2480	1800	7600	7870	2460	2910	1690	2230
6	323	5980	5680	332	2470	1190	7650	7920	1280	1340	1840	294
7	322	5180	5710	2200	2450	1830	7600	7910	326	2140	2490	295
8	2280	5210	339	2220	2460	394	7600	7980	322	2360	2270	1460
9	2320	5200	334	2200	331	314	7950	7570	2240	2220	308	1470
10	3660	342	3010	2200	322	1960	7660	2490	2240	1740	306	1460
11	3670	337	3010	2210	1630	4290	7640	308	3460	3500	1530	294
12	3680	3280	3010	333	1390	3110	7700	4320	3460	333	1530	1460
13	331	5730	3030	332	1940	320	7900	4450	4650	1810	2280	1460
14	333	6130	3040	3980	1420	311	3160	4460	333	1650	1530	298
15	2720	6050	346	3960	1410	2760	1900	4490	333	1320	1530	1470
16	2740	6020	339	3990	325	4580	4920	4490	1600	1320	310	1610
17	2770	464	1380	4100	315	4690	7630	314	1610	1330	306	1480
18	2750	332	1390	3970	2860	315	7590	306	1640	1390	1530	1470
19	2770	2870	1390	343	2850	1860	7650	4860	1620	331	1550	1480
20	337	2880	1390	324	2860	4000	7630	5590	1610	331	1540	295
21	333	2890	1390	5540	2840	1920	7660	6150	336	1540	1540	294
22	2780	333	340	6050	2840	317	7600	6110	340	1550	1540	1470
23	2760	5320	341	5820	314	1940	7630	6140	1630	1550	308	1470
24	2780	337	1910	5770	322	4990	7660	6140	2250	1530	313	1450
25	4120	332	342	5810	3270	4570	7590	5890	5440	1540	1530	334
26	5160	5870	1890	329	3320	5100	7740	5700	3510	330	303	1470
27	336	2640	1890	320	3300	7770	7750	5550	3520	315	1190	298
28	335	3810	1900	3680	1730	6100	7760	5380	332	1530	698	298
29	2710	4390	344	3680	1080	4000	7730	5580	332	1570	761	1480
30	2710	2850	339	3690	---	5980	7730	5450	4760	1740	303	312
31	2710	---	352	3700	---	7820	---	319	---	2010	304	---
TOTAL	75130	96201	61874	85026	53324	90053	217280	164937	58022	54040	35847	33932
MEAN	2424	3207	1996	2743	1839	2905	7243	5321	1934	1743	1156	1131
MAX	5160	6130	5710	6050	3700	7820	7950	7980	5440	4010	2490	2230
MIN	322	305	333	320	314	311	1900	306	318	315	303	294
MEAN†	1333	2296	1386	2958	2310	8700	4957	3527	2121	1117	689	835
CFSM†	1.19	2.05	1.24	2.64	2.06	7.77	4.43	3.15	1.89	1.00	0.62	0.75
IN.†	1.37	2.29	1.43	3.05	2.22	8.95	4.94	3.63	2.11	1.15	0.71	0.83

CAL YR 1979 TOTAL 990282 MEAN 2713 MAX 8730 MIN 278 MEAN† 2723 CFSM† 2.43 IN.† 33.00
WTR YR 1980 TOTAL 1025666 MEAN 2802 MAX 7980 MIN 294 MEAN† 2688 CFSM† 2.40 IN.† 32.67

† ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 25...	0935	8290	7.0	11.5	18.0	6.0
DEC 11...	0945	8420	7.0	8.5	10.5	10.0
APR 24...	0750	7640	6.3	17.5	13.0	8.9
JUN 04...	0930	304	6.9	25.0	19.5	8.4
SEP 25...	1315	313	6.5	23.0	25.0	6.2

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	42	8	.4	<30	16	7	.11	.060	<.020	320	70	<1.0
DEC 11...	45	14	.3	<30	14	6	.21	.060	.020	390	<50	<1.0
APR 24...	32	21	.3	<30	10	5	.24	.050	.170	380	<50	<1.0
JUN 04...	48	10	1.9	<30	13	16	.20	.140	<.020	580	50	2.0
SEP 25...	44	5	.5	40	18	5	.04	.160	<.020	500	440	1.0

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.

LOCATION.--Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at Harden Bridge on county road, 1,000 ft (305 m) downstream from Ashpole Creek, and 3 mi (4.8 km) north of Euharlee.

DRAINAGE AREA.--1,610 mi2 (4,170 km2), revised.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Allatoona Reservoir. (See "Lakes and Reservoirs in Mobile River Basin", station 02393500.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
25...	0830	788	7.4	6.5	16.5	8.3
NOV						
28...	1350	1040	7.5	9.5	12.0	8.3
DEC						
13...	0845	1080	7.3	16.0	11.0	11.0
JAN						
29...	0815	1290	7.0	3.0	8.0	10.6
MAR						
13...	1750	10100	6.9	7.0	7.0	11.2
APR						
23...	1600	8440	6.7	30.0	16.5	10.3
MAY						
27...	0700	2570	6.9	21.0	17.0	8.4
JUN						
25...	1200	2970	7.6	27.0	21.5	7.7
JUL						
31...	0845	690	7.2	25.5	23.0	6.8
AUG						
27...	1230	580	7.9	29.5	26.0	7.6
SEP						
25...	1215	780	7.3	22.0	24.0	7.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)
OCT						
25...	77	13	6	.5	40	28
NOV						
28...	114	27	8	.5	210	48
DEC						
13...	77	14	5	.7	<30	28
JAN						
29...	81	12	6	.7	150	44
MAR						
13...	57	174	21	2.5	8400	24
APR						
23...	45	25	--	.4	150	20
MAY						
27...	75	15	5	.7	110	34
JUN						
25...	96	80	13	1.7	2300	40
JUL						
31...	57	18	--	.9	150	36
AUG						
27...	165	5	--	.9	3300	74
SEP						
25...	91	8	--	.7	930	40

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	28	7	.18	.040	.15	.020	<1.0
NOV 28...	44	12	.38	.040	.10	.130	<1.0
DEC 13...	28	2	.27	.110	.10	.050	<1.0
JAN 29...	30	11	.32	.060	1.7	.020	<1.0
MAR 13...	17	120	.21	.070	1.1	.150	6.0
APR 23...	16	13	.27	.050	<.10	.030	<1.0
MAY 27...	21	11	.26	.030	.28	.020	1.5
JUN 25...	34	129	.34	.060	.34	.210	2.0
JUL 31...	32	4	.22	.040	--	.040	2.0
AUG 27...	57	8	.28	<.020	--	.160	1.0
SEP 25...	38	6	.16	.070	--	.070	8.5

02395000 ETOWAH RIVER NEAR KINGSTON, GA.

LOCATION.—Lat 34°12'24", long 84°58'44", Bartow County, Hydrologic Unit 03150104, on downstream side of center pier of bridge on U.S. Highway 411, 1 mi (1.6 km) upstream from Two Run Creek, 1.5 mi (2.4 km) upstream from Connesena Creek, and 2.5 mi (4.0 km) southwest of Kingston.

DRAINAGE AREA.—1,630 mi2 (4,220 km2), approximately.

PERIOD OF RECORD.—July 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304, 1734.

REVISED RECORDS.—WSP 1304: 1929-30.

GAGE.—Water-stage recorder. Datum of gage is 609.97 ft (185.919 m) National Geodetic Vertical Datum of 1929 (Dixie Construction Co. bench mark). Prior to Aug. 11, 1928, nonrecording gage, Aug. 11, 1928, to Dec. 28, 1931, water-stage recorder, Nov. 16, 1936, to June 15, 1937, nonrecording gage, and June 16, 1937, to June 27, 1960, water-stage recorder, all 500 ft (152 m) upstream at same datum.

REMARKS.—Records good. Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.) Records of chemical analyses for the water years 1970-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—47 years, 2,600 ft^3/s (73.6 m^3/s), 21.66 in/yr (550 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 42,700 ft^3/s (1,210 m^3/s) Apr. 9, 1938, gage height, 27.7 ft (8.44 m); minimum daily, 268 ft^3/s (7.59 m^3/s) Oct. 19, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, about 31 ft (9.4 m) Dec. 11, 1919, from information by local resident, discharge, 52,000 ft^3/s (1,470 m^3/s).

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 20,300 ft^3/s (575 m^3/s) Apr. 14, gage height, 17.70 ft (5.395 m); minimum daily, 516 ft^3/s (14.6 m^3/s) Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2800	3030	1970	897	4920	1030	9600	8410	1220	5050	2550	1360
2	3890	3430	1040	2090	2770	1080	9280	8450	1570	3800	1500	1030
3	3850	2390	4050	2800	1330	3600	8980	8420	2910	3040	648	1630
4	4010	975	5990	2920	2470	2420	8960	8440	2870	3000	1220	2170
5	4370	3350	6020	1850	3330	3240	8790	8430	3310	3300	2010	2370
6	2230	7100	6070	888	3320	3880	8720	8500	2530	2880	2260	1110
7	870	5120	6060	1810	3300	2150	8610	8490	1380	2500	2230	527
8	1400	5410	2900	2750	3250	15700	8600	8540	954	2320	2880	1140
9	2660	5380	866	2870	2560	8120	8740	8580	2290	2820	1390	1680
10	3850	3290	2190	2880	3210	4100	8670	4640	2750	2570	598	1670
11	3960	2050	3470	2890	2630	4930	8530	1880	3190	2860	1160	1050
12	3950	3600	3510	3360	3100	8450	9620	3020	3940	2280	1870	1110
13	2200	5370	3520	1690	2880	11200	12400	5110	4930	1240	2580	1450
14	657	6750	3580	2840	2500	5320	17100	5180	2320	2090	1790	1220
15	1210	6570	2230	4950	2460	4150	5930	5210	946	1950	1810	1100
16	3000	6550	849	4550	2750	5730	6730	5190	1620	1710	1220	1670
17	3030	3420	1540	5110	1910	10100	9070	3210	2270	1750	585	1830
18	3010	964	1890	7230	2700	8530	8990	1520	2240	1790	1110	1730
19	2990	2140	1940	5170	3880	4460	8880	4070	2270	1400	1920	1710
20	2480	3410	1900	2040	3980	6090	8780	7860	2220	707	1820	1080
21	641	3350	1930	4140	3850	15200	8730	7880	1390	1190	1790	516
22	1890	2100	1190	7430	3760	7630	8600	7310	928	1860	1790	1120
23	3050	3680	777	9230	2390	3750	8530	9270	1850	1910	1170	1650
24	3080	3590	1720	7720	1200	7320	8540	10000	3900	1870	564	1630
25	4030	2090	1470	7030	2580	7400	8410	7750	4950	1900	1180	1220
26	5330	4860	1760	3570	4040	6590	8730	7430	5030	1370	1180	1250
27	2160	5760	2390	1490	4030	9060	8990	6500	4140	891	862	1060
28	658	2710	2360	3250	3910	10900	8760	6420	2420	1390	1340	571
29	1940	5840	1410	4550	1830	10600	8600	6450	921	1960	1050	1700
30	3090	3890	826	4450	---	8610	8560	6360	3710	1970	1180	2590
31	3060	---	905	4990	---	10300	---	3080	---	2450	758	---
TOTAL	85346	118169	78323	119435	86840	211640	271430	201600	76969	67818	46015	41944
MEAN	2753	3939	2527	3853	2994	6827	9048	6503	2566	2188	1484	1398
MAX	5330	7100	6070	9230	4920	15700	17100	10000	5030	5050	2880	2590
MIN	641	964	777	888	1200	1030	5930	1520	921	707	564	516

CAL YR 1979 TOTAL 1337395 MEAN 3664 MAX 21100 MIN 560 MEAN† 3674 CFSM† 2.25 IN.† 30.60
WTR YR 1980 TOTAL 1405529 MEAN 3840 MAX 17100 MIN 516 MEAN† 3726 CFSM† 2.29 IN.† 31.12

† ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02396000 ETOWAH RIVER AT ROME, GA.

LOCATION.—Lat 34°15'26", long 85°09'30", Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Southern Railway bridge in Rome, 2 mi (3.2 km) upstream from confluence with Oostanaula River.
DRAINAGE AREA.—1,820 mi2 (4,710 km2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July to December 1903, August 1904 to June 1921 (published as "near Rome"), October 1938 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.—Water-stage recorder. Datum of gage is 561.70 ft (171.206 m) National Geodetic Vertical Datum of 1929. July 1 to Dec. 31, 1903, nonrecording gage at Second Avenue Bridge, 1 mi (1.6 km) downstream at different datum. Aug. 17, 1904, to June 30, 1921, nonrecording gage at Freemans Ferry, 5 mi (8.0 km) upstream at different datum. Since May 15, 1939, auxiliary water-stage recorder at Second Avenue Bridge, 1 mi (1.6 km) downstream.

REMARKS.—Records fair. Flow regulated by Allatoona Reservoir since 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)

AVERAGE DISCHARGE.—58 years (1904-20, 1938-80), 2,990 ft3/s (84.7 m3/s), 22.31 in/yr (567 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 55,000 ft3/s (1,560 m3/s) Dec. 11, 1919, gage height, over 28 ft (8.5 m), at former site at Freemans Ferry, computed from data at upstream stations; minimum daily, 360 ft3/s (10.2 m3/s) Oct. 10, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, that of Dec. 11, 1919. Flood of Apr. 9, 1938, reached a stage of 37.5 ft (11.43 m), discharge, 46,500 ft3/s (1,320 m3/s), from gage readings and discharge measurements by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 26,400 ft3/s (748 m3/s) Apr. 14, maximum gage height, 30.21 ft (9.208 m) Mar. 21; minimum daily discharge, 669 ft3/s (18.9 m3/s) Sept. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1960	3160	3330	1150	5600	1600	12900	8500	1610	5030	2450	845
2	4120	3410	1410	1750	4450	1370	11800	8400	1570	3780	2600	1880
3	4000	3450	2510	3060	1850	2750	10700	8400	2700	3860	824	2470
4	4020	1330	5830	3030	1910	3150	10300	8450	2870	3100	797	1840
5	4400	1900	5950	2510	3510	3050	9920	8390	3400	3110	2090	1880
6	4060	6590	5950	1190	3520	4250	9300	8360	3200	3380	2100	2510
7	1280	5050	6000	1590	3550	2850	9180	8360	2000	2210	2210	737
8	1120	5290	4760	2860	3560	18600	9060	8460	1300	2600	2770	712
9	2880	5320	1280	3070	3160	16200	9200	8400	1300	2850	2560	1820
10	3020	5300	2000	3170	3710	7540	9130	5350	3010	2730	770	1830
11	4000	2880	3600	3000	3200	6700	9130	3000	3110	2420	743	1810
12	4000	3970	3580	3800	3600	11000	10100	2100	4000	3700	1960	686
13	3820	5370	3610	2100	3250	17500	14000	5000	4630	932	1980	1790
14	961	7390	3640	2130	3110	10600	19000	5100	4130	2330	2580	1790
15	929	6980	2920	5100	2650	6500	15000	5120	1150	2180	1940	669
16	3100	6690	1250	4790	2880	7280	10000	5100	1120	1870	1930	1780
17	3130	5390	1550	5010	2360	12800	9500	4700	2300	1870	754	1950
18	3130	1420	2000	6500	2500	15300	9000	1780	2450	1930	729	1940
19	3100	1920	2100	6600	4260	8180	9000	2400	2420	1880	1990	1850
20	3120	3610	2000	2750	4280	9100	8700	8700	2360	872	1940	1850
21	902	3590	2110	2600	4000	20600	8800	9150	2310	884	1850	691
22	1540	2980	1710	7290	3900	14700	8800	8350	1120	1970	1910	691
23	3250	2060	1010	10000	3000	7140	8800	11000	1170	1990	1900	1810
24	3260	5220	1460	9100	1530	9850	8700	12300	3430	2060	735	1790
25	3260	2650	2120	8170	2320	11100	8650	9400	4530	2000	730	1900
26	4700	3790	1600	6150	4310	9640	8910	8550	5250	1980	1900	878
27	4010	7230	2500	2080	4350	11600	9300	7000	4190	1020	719	1830
28	921	3280	2540	2480	4200	15000	9250	6400	4040	1040	1560	755
29	1170	6080	2090	4800	2150	16400	9010	6500	1150	2050	1140	800
30	3200	4320	1060	4700	---	12700	8870	6300	1910	2050	1560	2600
31	3180	---	1140	5310	---	13600	---	5200	---	2190	964	---
TOTAL	89543	127620	84610	127840	96670	308650	304010	214220	79730	71868	50685	46384
MEAN	2888	4254	2729	4124	3333	9956	10130	6910	2658	2318	1635	1546
MAX	4700	7390	6000	10000	5600	20600	19000	12300	5250	5030	2770	2600
MIN	902	1330	1010	1150	1530	1370	8650	1780	1120	872	719	669

CAL YR 1979 TOTAL 1567162 MEAN 4294 MAX 31900 MIN 780 MEAN† 4304 CFSM† 2.36 IN.† 32.10
WTR YR 1980 TOTAL 1601830 MEAN 4377 MAX 20600 MIN 669 MEAN† 4263 CFSM† 2.34 IN.† 31.88

† ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02396000 ETOWAH RIVER AT ROME, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 24...	1100	3610	7.5	13.5	17.0	8.7
NOV 28...	1000	2450	7.1	8.0	12.0	8.3
DEC 12...	1255	3630	7.4	23.5	12.0	10.4
JAN 29...	0920	5500	7.0	3.5	8.0	10.4
APR 23...	1145	8800	6.9	25.0	15.0	10.2
MAY 27...	1030	6200	7.3	27.0	18.5	8.4
JUN 25...	0800	4910	7.1	21.5	21.0	7.4
JUL 31...	0715	4450	7.3	24.0	25.0	7.1
AUG 27...	0930	732	7.4	23.5	24.0	5.1
SEP 25...	0915	2820	7.5	22.0	24.5	6.9

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	74	19	1.0	430	28	28	17	.15	<.020	.050	<1.0
NOV 28...	69	29	.2	930	30	27	14	.25	.040	.040	<1.0
DEC 12...	93	16	.6	90	40	36	7	.30	<.020	.060	<1.0
JAN 29...	69	18	1.5	90	38	28	28	.32	.040	.030	1.0
APR 23...	58	28	.4	90	24	21	29	.31	.040	.050	<1.0
MAY 27...	64	17	.4	930	34	23	22	.24	.070	.040	1.5
JUN 25...	73	190	1.8	4300	35	25	344	.26	.020	.270	4.0
JUL 31...	68	25	1.0	430	44	39	41	.25	<.020	.080	2.0
AUG 27...	93	5	.9	430	44	40	5	.17	.020	.040	1.0
SEP 25...	96	22	1.0	930	42	43	52	[illegible]	.030	.100	2.0

02397000 COOSA RIVER NEAR ROME, GA.

LOCATION.--Lat 34 12'01", long 85 15'24", Floyd County, Hydrologic Unit 03150105, on left bank attached to shoreward side of lock wall of Mayos Bar lock near upstream end, 1.5 mi (2.4 km) upstream from Webb Creek, 6 mi (9.7 km) southwest of Rome, 7.5 mi (12.1 km) downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6 (448.3 km).

DRAINAGE AREA.--4,040 mi^2 (10,500 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Monthly discharge only for some periods, published in WSP 1304. Water years 1959-62 (annual maximum only). Gage-height records collected at same site 1922-49, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1959(M).

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft (168.570 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, nonrecording gage at site 7.5 mi (12.1 km) upstream at datum 8.65 ft (2.64 m) higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft (61 m) downstream at same datum. Water-stage recorder at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400, 02382400, and 02393500.)

AVERAGE DISCHARGE.--49 years (1896-1903, 1928-31, 1937-58, 1962-80), 6,792 ft^3/s (192 m^3/s), 22.83 in/yr (580 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 65,000 ft^3/s (1,840 m^3/s) Jan. 22, 1947, gage height, 37.0 ft (11.28 m); minimum daily, 870 ft^3/s (24.6 m^3/s) Oct. 18-22, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft (12.28 m) at site and datum at Rome, equivalent to about 43 ft (13.1 m) at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft^3/s (2,830 m^3/s), from rating curve extended above 63,000 ft^3/s (1,780 m^3/s) on basis of peak flow at Gadsden, Ala.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 44,400 ft^3/s (1,260 m^3/s) Mar. 22, gage height, 30.97 ft (9.440 m); minimum daily, 1,040 ft^3/s (29.5 m^3/s) Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11500	5810	8880	5120	12500	4490	31300	13300	6190	6590	3520	1340
2	9500	6020	6670	4970	12200	4230	29400	12900	4990	5760	3470	2250
3	7250	7360	5560	5830	7890	5100	25800	13100	6030	5630	1690	3040
4	6660	6080	8450	6190	6860	5920	21900	13200	6930	4490	1690	2340
5	7080	5230	8910	6730	7560	6060	19600	12400	7060	4660	2890	2290
6	7350	8480	8390	5840	7120	9330	18100	11600	6240	4860	2940	2950
7	4340	7350	8470	5400	6940	10300	16900	12200	4110	3610	3080	1240
8	3350	7240	7850	6740	6820	29200	16300	12500	3200	4160	3570	1190
9	4950	6970	3790	7310	7040	37900	16600	12300	3740	4410	3320	2150
10	4930	11300	3730	7360	9190	32600	16400	9860	5430	3820	1510	2280
11	5800	14500	5860	7000	10700	29600	15500	6710	4990	3340	1420	2290
12	5540	16200	5970	8520	9790	30300	17200	4390	5850	4790	2800	1210
13	5450	17600	5940	7680	8570	35700	25700	7250	6450	1950	2940	2110
14	2620	18600	5930	7290	7510	34400	36500	8020	6420	3280	3830	2050
15	2340	15100	5930	8920	6490	29400	36900	8330	2920	3050	2870	1080
16	4310	11800	4070	8420	7420	26800	31700	8100	2940	3150	2600	1970
17	4500	10600	3820	8010	8280	27000	30700	7820	4530	2750	1580	2170
18	4450	5580	4420	9680	8610	33900	30200	5320	4230	2720	1670	2230
19	4420	4360	4510	11600	8990	31000	27800	6930	4190	3040	2670	2150
20	4370	6520	4380	8280	8630	29800	21200	18700	4370	2030	2600	2180
21	2180	6330	4300	6640	8050	37500	16700	22800	4230	1760	2380	1070
22	2360	5480	3960	10800	7940	43300	15400	20800	2590	2940	2390	1040
23	4690	3700	2600	18900	7260	37700	14800	24100	2850	2880	2390	2000
24	4880	9180	2740	21200	5160	35300	14700	25200	5640	2900	1300	2000
25	4860	10300	4360	19800	4950	37500	14700	22800	7000	2910	1240	2240
26	5910	13500	3870	16100	6890	37000	15000	18000	7790	2800	2240	1400
27	5990	17600	5000	7780	7180	35700	16300	13000	6990	2060	1200	2840
28	2520	13000	5040	6580	6690	36800	16300	11500	5980	2410	1910	2400
29	2370	12400	5250	8190	5290	39800	16000	11900	2910	3330	1600	2070
30	4670	10100	4560	8010	---	35600	14500	11900	2700	3450	1940	5670
31	5320	---	4700	10400	---	32700	---	11300	---	3620	1480	---
TOTAL	156460	294290	167910	281290	228520	861930	640100	398230	149490	109150	72730	63240
MEAN	5047	9810	5416	9074	7880	27800	21340	12850	4983	3521	2346	2108
MAX	11500	18600	8910	21200	12500	43300	36900	25200	7790	6590	3830	5670
MIN	2180	3700	2600	4970	4950	4230	14500	4390	2590	1760	1200	1040

CAL YR 1979 TOTAL 3565910 MEAN 9770 MAX 58900 MIN 1910 MEAN† 9794 CFSM† 2.42 IN.† 32.91
WTR YR 1980 TOTAL 3423340 MEAN 9353 MAX 43300 MIN 1040 MEAN† 9238 CFSM† 2.29 IN.† 31.13

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE, CARTERS RE-REGULATION DAM, AND ALLATOONA RESERVOIR.

02397000 COOSA RIVER NEAR ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.02	13.75	14.94	13.45	16.29	13.20	26.88	16.75	13.88	14.03	12.77	11.63
2	15.26	13.84	14.07	13.39	16.17	13.09	25.59	16.54	13.40	13.71	12.74	12.16
3	14.40	14.38	13.62	13.73	14.55	13.44	23.20	16.54	13.81	13.65	11.86	12.53
4	14.16	13.85	14.77	13.88	14.14	13.77	20.98	16.65	14.17	13.19	11.86	12.21
5	14.32	13.51	14.95	14.09	14.42	13.82	19.78	16.30	14.22	13.26	12.49	12.18
6	14.43	14.81	14.75	13.74	14.25	15.12	18.94	15.97	13.90	13.34	12.51	12.49
7	13.23	14.36	14.78	13.56	14.18	15.47	18.38	16.17	13.04	12.83	12.57	11.54
8	12.81	14.31	14.53	14.10	14.13	24.62	18.14	16.28	12.68	13.06	12.78	11.49
9	13.46	14.20	12.92	14.32	14.22	29.20	18.17	16.20	12.89	13.16	12.67	12.10
10	13.45	15.84	12.89	14.35	15.06	27.39	18.08	15.30	13.55	12.91	11.74	12.18
11	13.80	17.04	13.74	14.20	15.62	25.28	17.67	14.09	13.40	12.71	11.68	12.18
12	13.69	17.70	13.79	14.81	15.29	25.20	18.46	13.16	13.74	13.31	12.44	11.51
13	13.64	18.29	13.78	14.47	14.83	28.38	22.47	14.30	13.98	12.04	12.53	12.07
14	12.43	18.72	13.77	14.31	14.40	28.32	28.62	14.60	13.97	12.67	12.91	12.05
15	12.29	17.29	13.77	14.96	14.00	25.63	29.12	14.72	12.56	12.57	12.48	11.38
16	13.17	16.04	13.03	14.77	14.37	23.51	26.92	14.63	12.57	12.62	12.34	11.98
17	13.25	15.58	12.93	14.61	14.71	23.44	25.90	14.52	13.21	12.44	11.79	12.11
18	13.22	13.63	13.17	15.25	14.84	27.79	25.58	13.53	13.09	12.43	11.85	12.15
19	13.20	13.14	13.21	15.96	14.99	26.83	24.21	14.17	13.08	12.58	12.38	12.10
20	13.18	14.01	13.15	14.71	14.85	25.45	20.59	18.99	13.15	12.09	12.35	12.12
21	12.17	13.93	13.12	14.05	14.62	28.89	18.32	20.87	13.09	11.91	12.23	11.37
22	12.24	13.59	12.98	15.65	14.58	30.81	17.70	20.14	12.40	12.52	12.23	11.34
23	13.33	12.86	12.35	18.89	14.30	29.36	17.38	21.53	12.51	12.49	12.23	12.00
24	13.40	15.06	12.41	19.91	13.46	28.56	17.33	22.29	13.66	12.51	11.59	12.01
25	13.39	15.49	13.15	19.29	13.38	29.20	17.36	21.18	14.20	12.51	11.54	12.15
26	13.81	16.67	12.95	17.72	14.16	29.15	17.56	18.97	14.51	12.45	12.14	11.67
27	13.83	18.32	13.40	14.51	14.27	28.70	18.16	16.68	14.20	12.09	11.50	12.48
28	12.35	16.48	13.42	14.03	14.07	29.05	18.14	15.92	13.79	12.30	11.97	12.29
29	12.27	16.26	13.50	14.67	13.52	29.82	17.94	16.07	12.55	12.70	11.79	12.10
30	13.30	15.39	13.23	14.60	---	28.77	17.34	16.06	12.43	12.76	12.02	13.67
31	13.56	---	13.28	15.52	---	27.75	---	15.82	---	12.83	11.72	---
MEAN	13.45	15.28	13.56	15.02	14.54	24.48	20.83	16.61	13.39	12.76	12.18	12.04
MAX	16.02	18.72	14.95	19.91	16.29	30.81	29.12	22.29	14.51	14.03	12.91	13.67
MIN	12.17	12.86	12.35	13.39	13.38	13.09	17.33	13.16	12.40	11.91	11.50	11.34

WTR YR 1980 MEAN 15.35 MAX 30.81 MIN 11.34

02397000 COOSA RIVER NEAR ROME, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 24...	1400	4900	7.6	18.0	17.5	7.8
NOV 28...	1045	12700	7.2	8.5	11.5	8.0
DEC 12...	1150	6620	7.0	20.0	10.5	10.2
JAN 29...	0850	9220	7.0	3.0	8.0	9.9
APR 23...	1300	14700	7.0	28.5	18.5	9.7
MAY 27...	0800	15100	6.8	23.0	18.5	8.0
JUN 25...	1020	8100	7.4	26.0	22.0	6.8
JUL 30...	1255	4120	7.4	31.0	25.0	7.6
AUG 27...	0900	1190	7.6	22.5	25.0	6.5
SEP 25...	1115	3250	7.5	21.0	24.5	6.5

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	108	28	.9	230	46	41	.28	.080	.110	1.0
NOV 28...	88	40	1.0	930	37	32	.24	.050	.100	<1.0
DEC 12...	105	19	1.0	230	44	43	.31	.030	.190	1.5
JAN 29...	85	21	1.0	930	68	33	.30	.020	.060	2.0
APR 23...	66	22	.5	2300	28	24	.29	.040	.060	3.5
MAY 27...	73	24	.8	2300	38	27	.28	.030	.050	2.5
JUN 25...	100	165	2.5	4300	40	35	.34	.080	.350	6.0
JUL 30...	60	26	1.6	1500	36	37	.27	.020	.060	6.0
AUG 27...	136	9	1.2	9300	58	49	.38	.060	.230	3.0
SEP 25...	130	17	2.9	43000	48	46	.35	.090	.270	3.5

02397500 CEDAR CREEK NEAR CEDARTOWN, GA.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at bridge on State Highway 161, 4.5 mi (7.2 km) upstream from Lake Creek, and 4.5 mi (7.2 km) northwest of Cedartown.

DRAINAGE AREA.--115 mi2 (298 km2), revised.

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for the water years 1943-73 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 24...	1030	75	7.7	12.0	14.5	5.8
NOV 28...	1300	180	7.7	10.0	12.0	8.0
DEC 12...	1115	90	7.7	19.0	12.0	8.2
JAN 29...	1115	190	7.5	4.5	9.0	8.4
APR 23...	1345	220	7.3	29.0	19.0	8.6
MAY 27...	0845	250	7.4	24.0	18.5	7.4
JUN 25...	1115	98	7.7	26.5	22.0	6.0
JUL 30...	1150	55	7.8	33.5	21.5	8.0
AUG 27...	0715	50	7.6	--	20.5	1.7
SEP 25...	1015	48	7.5	22.0	21.0	1.8

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	297	5	1.5	430	130	122	.38	.160	.210	2.0
NOV 28...	186	10	.9	230	84	84	.48	.020	.070	<1.0
DEC 12...	300	9	<.1	150	122	118	.64	.090	.130	<1.0
JAN 29...	188	7	1.6	230	140	84	.46	.020	.060	1.0
APR 23...	135	7	.9	430	60	58	.28	.020	.030	<1.0
MAY 27...	114	12	.6	1500	78	65	.34	.050	.050	2.0
JUN 25...	250	5	1.3	930	110	108	.36	.100	.160	<1.0
JUL 30...	155	14	2.1	4300	120	128	.25	<.020	<.020	2.0
AUG 27...	280	5	1.4	430	126	126	.44	.020	.320	4.0
SEP 25...	330	3	.7	23000	126	133	.07	.540	.540	3.0

02397530 COOSA RIVER NEAR COOSA, GA.

LOCATION.--Lat 34°11'54", long 85°26'46", Floyd County, Ga.-Cherokee County, Ala., Hydrologic Unit 03150105, 6.5 mi (10.5 km) southwest of Coosa, and at mile 254.8 (410.0 km).

DRAINAGE AREA.--4,360 mi2 (11,300 km2), approximately.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1976 to current year.
pH: August 1976 to current year.
WATER TEMPERATURE: August 1976 to current year.
DISSOLVED OXYGEN: August 1976 to current year.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Flow regulated by Allatoona Reservoir and by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400, 02382400, and 02393500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 253 micromhos Sept. 15, 1977; minimum, 32 micromhos Apr. 15, 1979.
pH: Maximum, 9.7 units Dec. 5, 1977; minimum, 6.3 units Nov. 6-12, 1977.
WATER TEMPERATURE: Maximum, 34.0°C July 15, 1977; minimum, 2.5°C Jan. 18, 19, 1977.
DISSOLVED OXYGEN: Maximum, 14.4 mg/L Jan. 20, 1977; minimum, 1.4 mg/L July 8, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 199 micromhos Sept. 3; minimum, 63 micromhos Mar. 22.
pH: Maximum recorded, 8.0 units July 15, Aug. 24; minimum recorded, 6.8 units Mar. 10, 22-27, Apr. 15.
WATER TEMPERATURE: Maximum, 33.5°C July 15, 18, Aug. 25; minimum, 5.0°C Feb. 4, 5, 12.
DISSOLVED OXYGEN: Maximum, 12.0 mg/L Feb. 4, 5; minimum, 3.4 mg/L May 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PH FIELD (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
15...	1000	7.0	11.0	19.5	7.4
NOV					
20...	1130	7.2	17.0	15.5	8.6
DEC					
10...	1040	7.0	7.0	12.0	9.4
JAN					
21...	1130	7.4	9.0	11.5	9.2
FEB					
19...	1130	7.2	6.5	7.5	11.2
MAR					
19...	0950	7.1	11.0	12.0	9.1
APR					
21...	1430	6.7	27.0	16.5	8.8
MAY					
13...	1230	7.3	27.0	19.5	7.8
JUN					
19...	1150	7.5	32.0	27.0	6.4
JUL					
25...	1100	7.5	26.5	30.0	5.7
AUG					
21...	1200	7.4	35.0	31.0	4.8
SEP					
23...	1000	7.5	28.5	29.5	6.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	ALKALINITY (MG/L AS CACO3)
OCT 15...	110	9	7	.8	390	40	41
NOV 20...	115	17	9	.8	230	54	43
DEC 10...	107	15	--	.9	40	44	39
JAN 21...	113	21	14	1.4	1100	48	45
FEB 19...	118	25	7	.9	23000	58	44
MAR 19...	63	116	16	1.6	1500	28	20
APR 21...	74	30	8	.8	4300	32	27
MAY 13...	100	9	9	1.1	930	40	39
JUN 19...	170	9	13	1.3	<30	64	65
JUL 25...	180	18	11	1.5	<30	66	60
AUG 21...	140	7	10	1.2	<30	52	53
SEP 23...	134	8	12	1.7	40	44	45

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	10	112	.26	.040	.20	<.020	1.0
NOV 20...	19	114	.28	.070	.26	.020	<1.0
DEC 10...	11	94	.31	.040	.10	.080	1.0
JAN 21...	20	120	.25	.070	.28	.080	4.0
FEB 19...	17	108	.26	.040	.12	.050	3.0
MAR 19...	70	140	.19	.050	.23	.150	7.0
APR 21...	17	82	.29	.100	.20	.060	5.5
MAY 13...	9	106	.28	.090	.30	.060	<1.0
JUN 19...	11	136	.31	.060	.22	.110	1.0
JUL 25...	7	144	.26	.040	.40	.120	4.0
AUG 21...	6	136	.35	.070	.50	.190	3.0
SEP 23...	8	114	.18	.080	.77	.190	14

02397530 COOSA RIVER NEAR COOSA, GA.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	93	83	165	125	117	102	138	131	---	---	139	118
2	111	94	146	128	120	109	153	136	---	---	149	130
3	114	95	132	120	122	112	151	148	---	---	159	149
4	109	99	148	128	157	119	160	134	124	112	151	143
5	---	---	154	150	130	98	141	131	135	122	149	112
6	---	---	158	151	113	95	138	130	135	113	136	122
7	---	---	---	---	119	95	144	139	129	117	130	116
8	---	---	119	83	125	97	157	141	133	119	119	71
9	---	---	122	99	123	99	159	125	134	124	72	69
10	---	---	117	100	134	105	138	124	133	119	75	70
11	---	---	123	107	158	133	135	125	125	119	80	75
12	---	---	122	105	166	115	140	129	121	117	82	78
13	---	---	112	99	130	106	130	121	121	116	80	72
14	---	---	107	92	129	114	132	120	123	114	75	72
15	124	114	111	97	131	117	133	125	128	119	79	75
16	178	120	118	100	---	---	123	105	141	126	88	78
17	182	166	112	97	---	---	118	108	138	120	85	80
18	190	125	112	97	---	---	123	108	131	120	80	68
19	139	122	124	111	---	---	119	102	131	122	71	69
20	134	115	151	120	151	148	121	103	125	109	75	70
21	134	115	160	117	148	141	129	122	118	109	76	68
22	132	121	135	115	143	140	134	102	120	111	67	63
23	161	131	131	116	147	143	111	92	125	113	69	65
24	184	159	149	119	155	145	104	93	124	115	70	69
25	178	125	133	107	153	140	99	92	133	120	70	66
26	143	118	137	112	174	154	102	92	147	133	68	66
27	131	105	119	91	169	146	109	97	150	114	74	69
28	134	99	112	98	164	148	---	---	128	111	76	73
29	114	95	118	103	149	140	---	---	125	111	76	72
30	176	118	115	101	143	134	---	---	---	---	73	70
31	183	157	---	---	137	134	---	---	---	---	73	71
MONTH	190	83	165	83	174	95	160	92	150	109	159	63

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	73	71	89	85	92	83	140	108	159	138	---	---
2	76	73	88	86	100	92	152	108	157	144	198	194
3	78	76	88	85	126	101	121	106	145	129	199	194
4	80	77	87	83	138	122	119	113	133	127	198	180
5	80	77	83	82	123	102	123	101	130	127	188	168
6	80	78	85	83	115	97	137	114	---	---	168	147
7	78	76	90	85	104	97	131	116	---	---	156	149
8	77	75	90	85	120	105	128	117	---	---	161	153
9	79	75	87	85	118	103	134	116	---	---	164	156
10	82	79	91	87	142	123	140	122	---	---	168	155
11	83	82	100	90	148	137	139	124	---	---	177	166
12	91	81	115	101	153	110	138	124	---	---	181	176
13	88	80	120	111	134	116	136	128	---	---	187	167
14	81	66	134	95	127	112	136	129	---	---	170	161
15	69	65	112	95	119	115	140	128	---	---	171	168
16	74	69	104	90	119	112	152	129	---	---	175	167
17	74	71	104	92	145	121	155	147	---	---	178	170
18	75	71	106	97	157	148	148	139	---	---	176	160
19	78	76	115	100	173	144	154	140	---	---	182	165
20	82	78	126	90	142	137	154	135	---	---	185	145
21	83	81	96	84	151	136	141	136	170	161	156	150
22	82	80	87	81	150	144	151	141	175	168	157	146
23	83	81	91	80	148	142	160	152	170	145	161	144
24	84	81	84	76	151	140	161	150	157	150	170	163
25	84	80	86	78	162	140	171	161	156	152	172	167
26	83	80	93	84	134	103	163	145	168	152	179	172
27	87	81	97	86	109	94	150	136	168	160	192	145
28	90	83	100	90	119	109	151	145	175	168	160	140
29	89	86	100	88	111	107	153	145	---	---	160	146
30	89	87	97	86	117	107	162	152	---	---	186	153
31	---	---	95	84	---	---	172	156	---	---	---	---
MONTH	91	65	134	76	173	83	172	101	175	127	199	140
YEAR	199	63										

02397530 COOSA RIVER NEAR COOSA, GA.—Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	6.9	7.4	7.3	7.2	7.0	7.1	7.1	---	---	7.2	7.1
2	7.2	7.0	7.3	7.3	7.2	7.1	7.2	7.1	---	---	7.2	7.1
3	7.3	7.1	7.3	7.2	7.2	7.1	7.2	7.2	---	---	7.2	7.1
4	7.3	7.1	7.3	7.2	7.4	7.0	7.4	7.2	7.1	7.0	7.3	7.2
5	---	---	7.3	7.2	7.3	7.0	7.2	7.2	7.3	7.1	7.3	7.1
6	---	---	7.3	7.3	7.2	7.0	7.2	7.1	7.3	7.1	7.2	7.1
7	---	---	---	---	7.2	7.0	7.2	7.2	7.2	7.1	7.1	7.0
8	---	---	7.3	7.2	7.2	7.0	7.4	7.2	7.2	7.1	7.0	6.9
9	---	---	7.4	7.2	7.2	7.0	7.4	7.2	7.2	7.2	7.0	6.9
10	---	---	7.3	7.2	7.1	7.0	7.3	7.3	7.2	7.1	6.9	6.8
11	---	---	7.2	7.1	7.2	7.0	7.3	7.3	7.2	7.1	6.9	6.9
12	---	---	7.1	7.0	7.3	7.1	7.3	7.3	7.1	7.1	7.1	6.9
13	---	---	7.2	7.1	7.2	7.0	7.3	7.2	7.2	7.1	7.1	7.0
14	---	---	7.2	7.1	7.1	7.0	7.3	7.2	7.2	7.1	7.0	7.0
15	7.3	7.2	7.2	7.1	7.1	7.0	7.4	7.4	7.2	7.1	7.1	7.0
16	7.2	7.1	7.3	7.1	---	---	7.4	7.3	7.2	7.1	7.2	7.1
17	7.4	7.2	7.3	7.1	---	---	7.4	7.3	7.2	7.1	7.1	7.1
18	7.5	7.2	7.3	7.1	---	---	7.4	7.3	7.2	7.1	7.1	7.0
19	7.3	7.2	7.2	7.1	---	---	7.4	7.3	7.2	7.1	7.0	6.9
20	7.3	7.2	7.4	7.2	7.3	7.2	7.4	7.3	7.2	7.1	7.0	6.9
21	7.3	7.2	7.5	7.3	7.2	7.2	7.4	7.4	7.1	7.1	7.0	6.9
22	7.3	7.2	7.4	7.3	7.2	7.1	7.5	7.4	7.1	7.1	6.9	6.8
23	7.3	7.1	7.4	7.3	7.2	7.1	7.4	7.3	7.1	7.1	6.8	6.8
24	7.3	7.2	7.5	7.3	7.2	7.1	7.3	7.2	7.1	7.1	6.9	6.8
25	7.3	7.1	7.3	7.2	7.2	7.1	7.3	7.2	7.1	7.1	6.9	6.8
26	7.3	7.2	7.3	7.2	7.3	7.2	7.3	7.3	7.2	7.1	6.8	6.8
27	7.3	7.2	7.3	7.1	7.2	7.1	7.3	7.2	7.3	7.1	6.9	6.8
28	7.3	7.2	7.2	7.1	7.3	7.2	7.3	7.3	7.2	7.1	7.0	6.9
29	7.3	7.2	7.2	7.1	7.2	7.2	---	---	7.2	7.1	7.0	7.0
30	7.3	7.2	7.2	7.1	7.2	7.2	---	---	---	---	7.0	7.0
31	7.5	7.3	---	---	7.2	7.1	---	---	---	---	7.1	7.0
MONTH	7.5	6.9	7.5	7.0	7.4	7.0	7.5	7.1	7.3	7.0	7.3	6.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	7.0	7.2	7.1	7.2	7.1	7.4	7.1	7.6	7.3	---	---
2	7.1	7.1	7.2	7.1	7.3	7.1	7.5	7.3	7.6	7.3	7.5	7.3
3	7.1	7.0	7.2	7.1	7.3	7.2	7.3	7.2	7.6	7.4	7.4	7.3
4	7.1	7.0	7.2	7.1	7.5	7.3	7.3	7.2	7.6	7.3	7.4	7.3
5	7.1	7.0	7.2	7.2	7.4	7.3	7.3	7.0	7.6	7.3	7.4	7.3
6	7.1	7.0	7.2	7.1	7.4	7.2	7.3	7.3	---	---	7.3	7.2
7	7.1	7.1	7.2	7.1	7.3	7.2	7.6	7.3	---	---	7.7	7.2
8	7.1	7.1	7.2	7.1	7.5	7.3	7.6	7.3	---	---	7.7	7.2
9	7.2	7.1	7.2	7.1	7.4	7.2	7.3	7.1	---	---	7.6	7.2
10	7.2	7.1	7.2	7.1	7.5	7.3	7.4	7.3	---	---	7.2	7.1
11	7.2	7.1	7.2	7.1	7.6	7.4	7.5	7.2	---	---	7.4	7.1
12	7.2	7.1	7.4	7.2	7.6	7.3	7.5	7.2	---	---	7.8	7.2
13	7.2	7.1	7.4	7.2	7.6	7.3	7.6	7.2	---	---	7.7	7.3
14	7.1	6.9	7.4	7.1	7.4	7.3	7.6	7.4	---	---	7.5	7.3
15	6.9	6.8	7.3	7.2	7.4	7.3	8.0	7.1	---	---	7.6	7.2
16	7.0	6.9	7.3	7.1	7.3	7.3	7.5	7.3	---	---	7.7	7.2
17	7.0	6.9	7.3	7.1	7.3	7.2	7.5	7.3	---	---	7.4	7.3
18	7.0	7.0	7.3	7.2	7.5	7.3	7.3	7.3	---	---	7.5	7.2
19	7.0	7.0	7.3	7.1	7.6	7.3	7.5	7.2	---	---	7.3	7.2
20	7.0	7.0	7.3	7.1	7.5	7.2	7.5	7.2	---	---	7.3	7.2
21	7.1	7.0	7.1	7.0	7.4	7.3	7.7	7.2	7.6	7.4	7.3	7.2
22	7.1	7.0	7.1	7.0	7.5	7.3	7.3	7.3	7.7	7.3	7.7	7.2
23	7.1	7.1	7.1	7.0	7.4	7.3	7.3	7.2	7.6	7.3	7.6	7.3
24	7.1	7.1	7.1	7.0	7.4	7.3	7.5	7.2	8.0	7.3	7.5	7.3
25	7.1	7.1	7.1	7.0	7.5	7.3	7.6	7.3	7.8	7.3	7.3	7.2
26	7.1	7.1	7.2	7.0	7.3	7.0	7.5	7.3	7.8	7.3	7.4	7.3
27	7.1	7.1	7.2	7.0	7.2	7.1	7.5	7.2	7.5	7.3	7.4	7.3
28	7.1	7.1	7.3	7.1	7.3	7.2	7.6	7.2	7.5	7.3	7.3	7.2
29	7.2	7.1	7.2	7.1	7.4	7.2	7.6	7.3	---	---	7.2	7.2
30	7.2	7.1	7.3	7.0	7.5	7.2	7.6	7.3	---	---	7.4	7.2
31	---	---	7.3	7.1	---	---	7.6	7.3	---	---	---	---
MONTH	7.2	6.8	7.4	7.0	7.6	7.0	8.0	7.0	8.0	7.3	7.8	7.1
YEAR	8.0	6.8										

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	20.0	19.0	18.0	12.5	10.0	11.5	10.0	---	---	10.5	10.0
2	22.0	21.5	18.5	17.5	12.0	9.5	12.5	10.0	---	---	10.0	9.0
3	23.0	21.5	18.5	16.5	11.0	9.0	13.0	10.0	---	---	10.0	7.5
4	21.5	21.0	17.5	16.0	11.0	8.5	10.5	9.0	6.5	5.0	9.0	7.0
5	---	---	17.0	15.5	11.5	8.5	9.5	8.5	6.5	5.0	9.5	8.0
6	---	---	15.5	15.0	11.5	10.0	10.5	8.0	6.5	6.0	10.5	9.0
7	---	---	---	---	13.0	10.5	9.0	8.5	7.5	6.0	10.5	9.5
8	---	---	17.0	14.5	13.0	10.5	9.0	8.5	7.0	6.5	12.5	10.5
9	---	---	17.0	14.5	13.5	10.0	9.5	9.0	7.0	6.5	13.5	12.0
10	---	---	17.0	15.5	13.5	10.5	10.0	9.0	7.0	5.5	14.0	13.0
11	---	---	16.0	14.5	13.5	10.0	10.5	9.5	6.5	5.5	14.0	13.0
12	---	---	15.0	14.5	14.0	11.0	10.0	9.0	6.5	5.0	13.0	11.0
13	---	---	14.5	13.5	13.5	12.0	9.5	9.0	7.0	6.0	11.0	9.0
14	---	---	14.0	12.5	14.5	12.0	9.5	9.0	8.5	6.5	9.5	9.5
15	21.5	19.5	14.0	12.5	12.5	12.0	10.5	9.0	8.5	7.5	10.0	8.5
16	20.0	19.0	14.0	12.5	---	---	11.0	9.5	9.0	8.0	11.0	9.5
17	20.0	18.5	15.0	13.0	---	---	11.0	10.0	9.5	8.0	12.0	10.5
18	20.5	18.5	15.5	13.0	---	---	13.0	11.0	9.0	7.5	13.0	11.5
19	21.0	19.5	15.0	13.0	---	---	13.0	10.5	8.0	7.5	12.5	12.0
20	21.5	20.0	16.5	13.0	12.0	9.5	12.5	11.0	8.0	7.5	12.5	12.0
21	22.5	20.5	16.0	13.5	11.5	8.5	12.0	11.0	9.0	8.0	12.5	12.0
22	22.5	21.0	17.0	14.0	11.0	9.5	12.0	10.0	10.0	8.5	13.0	11.5
23	23.0	21.0	16.0	14.5	12.0	10.0	11.0	9.5	11.0	10.0	13.0	12.0
24	21.5	20.0	16.0	14.5	13.0	11.0	10.5	9.0	12.5	10.5	13.0	12.0
25	20.5	19.0	16.5	15.5	11.5	10.5	9.5	8.5	13.0	11.5	13.0	12.5
26	19.5	17.5	16.5	14.5	13.5	11.0	10.0	9.0	14.0	11.0	12.5	12.5
27	19.5	17.5	16.5	14.0	14.0	10.5	11.0	9.5	12.0	10.5	13.0	12.0
28	19.5	17.0	15.5	13.5	12.0	10.0	---	---	11.0	9.5	13.5	12.5
29	19.0	17.5	13.5	11.5	12.0	10.0	---	---	10.5	9.5	12.5	12.0
30	19.5	18.5	13.0	10.5	10.5	10.0	---	---	---	---	13.5	12.5
31	19.0	18.0	---	---	10.5	10.0	---	---	---	---	14.0	12.5
MONTH	23.0	17.0	19.0	10.5	14.5	8.5	13.0	8.0	14.0	5.0	14.0	7.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	12.5	16.0	15.0	22.5	20.5	29.5	25.5	31.0	29.0	---	---
2	16.0	13.5	16.0	15.0	23.5	22.0	27.5	26.0	31.5	29.0	31.0	30.0
3	16.0	14.0	16.5	15.5	25.0	23.0	27.5	25.5	31.5	29.0	33.0	30.0
4	16.5	14.5	17.0	16.0	25.5	24.0	28.0	26.5	30.5	29.0	31.5	30.0
5	16.0	13.0	17.0	16.0	25.0	23.5	28.0	27.0	30.0	29.0	32.0	30.0
6	16.5	14.5	17.5	16.5	26.0	23.5	28.5	27.5	---	---	32.0	30.0
7	17.0	15.0	18.0	17.0	27.5	24.0	31.5	27.5	---	---	31.5	30.5
8	15.0	14.0	17.5	17.0	28.0	25.0	31.0	27.5	---	---	33.5	30.5
9	15.0	13.0	17.5	17.0	25.5	24.0	29.0	28.0	---	---	32.0	30.0
10	15.5	13.5	17.5	16.5	26.5	24.0	30.0	29.0	---	---	32.5	31.0
11	15.5	13.5	18.5	17.0	25.0	23.5	31.5	29.0	---	---	31.5	31.0
12	14.5	14.0	20.0	18.0	24.5	23.0	30.5	29.0	---	---	32.5	30.5
13	14.5	14.0	20.0	18.5	24.5	23.0	32.5	30.5	---	---	32.5	30.0
14	14.5	14.0	20.5	18.5	24.5	22.5	32.5	30.5	---	---	31.5	30.0
15	14.5	13.5	19.0	18.5	26.0	23.0	33.5	29.5	---	---	33.0	30.0
16	15.0	13.5	19.0	18.0	26.5	24.5	33.0	30.5	---	---	32.0	29.5
17	15.0	13.5	19.0	18.0	26.0	25.0	33.0	31.0	---	---	30.5	29.5
18	15.0	14.0	20.0	18.5	26.5	26.0	33.5	30.5	---	---	31.0	29.5
19	15.5	14.0	19.5	18.5	27.5	26.0	33.0	31.0	---	---	30.0	29.0
20	16.0	14.5	20.0	18.5	27.5	26.0	32.0	31.0	---	---	30.5	29.0
21	16.0	14.5	19.5	18.5	25.5	25.0	32.0	30.5	32.5	31.0	30.5	29.0
22	16.5	15.0	19.0	18.5	27.5	25.5	31.0	30.5	33.0	31.5	30.5	28.5
23	16.5	15.5	19.0	18.5	26.5	25.5	32.5	30.5	32.5	31.5	30.5	29.0
24	17.0	16.0	19.0	18.5	26.5	24.5	33.0	30.5	33.0	31.5	31.0	29.5
25	17.0	16.0	19.5	18.5	24.5	24.0	32.5	30.0	33.5	31.0	30.5	28.5
26	16.5	16.0	20.5	19.0	24.0	23.0	31.0	29.5	33.0	30.5	29.5	28.5
27	16.5	16.0	21.0	19.5	25.0	23.5	31.0	28.5	33.5	30.0	29.0	27.5
28	16.5	15.5	21.5	20.0	26.5	24.5	31.0	29.5	33.0	31.5	27.5	26.0
29	16.0	15.5	22.0	20.5	26.0	25.5	31.0	29.0	---	---	25.5	23.5
30	16.0	15.0	25.5	20.5	28.5	25.0	32.5	29.0	---	---	23.5	22.5
31	---	---	23.0	20.5	---	---	32.0	28.5	---	---	---	---
MONTH	17.0	12.5	25.5	15.0	28.5	20.5	33.5	25.5	33.5	29.0	33.5	22.5
YEAR	33.5	5.0										

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.0	4.8	7.3	6.8	9.9	9.3	9.6	9.4	---	---	10.7	10.2
2	6.5	6.0	7.1	6.8	10.0	9.7	9.6	9.3	---	---	10.3	10.1
3	6.6	6.2	7.1	6.6	10.1	9.9	9.8	9.3	---	---	10.4	9.9
4	7.0	6.3	7.5	6.9	11.0	10.1	10.0	9.4	12.0	11.6	11.3	10.4
5	---	---	7.0	6.4	10.9	10.2	10.1	9.8	12.0	11.9	11.5	11.2
6	---	---	7.3	6.9	10.5	10.1	10.0	9.8	11.9	11.8	11.2	10.6
7	---	---	---	---	10.2	9.9	10.1	10.0	11.8	11.5	10.5	10.1
8	---	---	8.3	8.2	10.0	9.8	10.5	10.2	11.5	11.4	10.2	9.2
9	---	---	8.6	8.1	10.0	9.6	10.4	10.2	11.5	11.4	9.2	8.4
10	---	---	8.5	7.7	9.6	9.4	10.5	10.1	11.6	11.5	8.4	8.3
11	---	---	7.7	6.9	9.9	9.6	10.2	10.0	11.7	11.6	8.3	8.1
12	---	---	7.4	6.7	10.1	9.7	10.2	9.9	11.8	11.7	9.4	8.2
13	---	---	7.8	7.0	9.7	9.3	10.1	9.9	11.8	11.7	10.1	9.4
14	---	---	---	---	9.4	8.8	10.0	9.7	11.7	11.5	10.1	10.0
15	7.8	7.3	---	---	9.0	8.7	10.0	9.8	11.5	11.3	10.1	10.0
16	7.2	6.2	---	---	---	---	10.1	9.8	11.3	10.9	10.1	10.0
17	7.7	6.3	---	---	---	---	9.8	9.4	10.9	10.7	10.0	9.6
18	8.3	7.2	---	---	---	---	9.7	9.4	10.9	10.8	9.7	9.3
19	7.7	7.1	---	---	---	---	9.8	9.2	11.4	10.9	9.3	9.0
20	7.6	6.9	8.5	8.1	9.9	9.6	9.7	9.2	11.5	11.4	9.2	9.0
21	7.3	6.9	8.9	8.3	10.2	9.8	9.3	9.0	11.4	11.1	9.4	9.1
22	7.1	6.7	8.8	8.5	10.1	9.9	10.1	8.9	11.1	10.8	9.4	8.8
23	7.1	5.8	8.8	8.4	10.1	9.7	10.1	9.7	10.8	10.6	8.8	8.6
24	6.6	5.9	8.7	7.9	9.9	9.6	10.1	9.6	10.6	10.3	8.7	8.4
25	6.6	6.0	8.4	7.8	9.9	9.3	10.1	9.9	10.3	9.7	8.7	8.6
26	7.5	6.4	8.0	7.7	9.4	8.9	10.0	9.5	9.7	9.4	8.6	8.5
27	7.8	7.2	8.5	8.1	9.3	9.0	9.5	8.1	10.6	9.6	8.7	8.5
28	8.1	7.1	8.7	8.3	9.6	9.2	---	---	11.2	10.5	9.0	8.0
29	8.0	7.1	9.1	8.4	9.6	9.3	---	---	11.2	10.8	9.0	8.8
30	7.1	6.3	9.4	9.0	10.3	9.6	---	---	---	---	9.0	8.7
31	7.4	6.5	---	---	10.2	9.5	---	---	---	---	9.0	8.9
MONTH	8.3	4.8	9.4	6.4	11.0	8.7	10.5	8.1	12.0	9.4	11.5	8.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.0	8.0	9.0	8.8	7.8	7.4	6.8	5.9	6.0	4.7	---	---
2	8.5	8.2	9.0	8.9	7.4	7.0	7.1	6.4	6.5	4.8	6.6	4.2
3	8.7	8.1	9.0	9.0	7.0	6.1	6.9	6.0	6.6	4.9	5.8	3.7
4	8.6	8.0	9.0	8.9	6.5	6.1	7.0	6.0	6.5	5.2	5.8	4.2
5	8.9	8.1	9.0	8.9	6.3	6.0	6.6	5.6	6.5	5.5	6.7	4.4
6	9.0	8.0	8.8	8.8	6.4	5.8	6.4	5.7	---	---	6.4	4.9
7	9.5	8.5	8.7	8.6	6.4	5.8	6.8	5.9	---	---	8.4	4.8
8	9.4	8.2	8.6	8.5	---	---	6.8	5.5	---	---	8.5	5.1
9	9.8	9.4	8.5	8.5	6.9	6.6	6.1	4.5	---	---	8.2	5.7
10	9.7	9.5	8.5	8.4	6.7	6.2	6.2	5.0	---	---	5.9	4.3
11	9.7	9.5	8.4	8.1	7.1	6.4	6.4	4.6	---	---	7.2	4.0
12	9.7	9.2	8.7	7.8	7.7	7.0	6.7	4.8	---	---	7.8	4.2
13	9.3	9.0	8.2	7.7	7.8	7.1	7.1	5.3	---	---	7.6	4.8
14	8.9	8.7	8.0	7.7	7.4	6.9	7.1	6.6	---	---	6.2	4.5
15	8.7	8.4	8.1	7.7	9.0	7.0	6.6	5.6	---	---	7.1	4.3
16	8.6	8.3	8.2	7.8	9.0	7.2	6.7	5.3	---	---	8.0	4.3
17	8.9	8.6	8.3	7.7	7.2	6.4	6.3	5.0	---	---	6.5	4.6
18	9.0	8.9	8.1	7.7	7.0	6.4	5.7	5.0	---	---	6.9	4.4
19	8.9	8.6	7.9	7.4	6.8	5.4	6.6	4.6	---	---	5.8	4.0
20	8.6	8.4	7.5	7.0	6.8	5.3	6.8	4.6	---	---	6.4	4.6
21	9.1	8.7	7.8	7.2	6.7	5.9	6.0	5.0	5.9	4.8	5.8	4.8
22	9.3	9.1	7.7	7.5	7.0	5.7	6.0	5.0	5.4	4.4	7.5	5.0
23	9.3	9.2	7.7	7.2	6.5	5.5	5.0	4.3	5.9	4.9	6.5	5.3
24	9.2	9.1	7.8	7.6	6.2	5.4	6.0	4.8	5.8	4.8	6.1	4.6
25	9.1	9.0	7.7	7.5	6.4	5.6	6.2	5.4	6.3	5.3	4.7	4.2
26	9.1	8.8	7.6	7.3	6.4	5.9	5.8	5.0	6.3	5.3	4.9	4.1
27	8.9	8.5	7.5	7.2	6.8	6.3	5.5	4.5	6.2	5.2	5.6	4.6
28	8.6	8.3	7.6	7.2	6.9	6.4	5.2	4.0	6.0	5.0	5.3	4.7
29	8.7	8.4	7.5	6.5	6.8	6.2	6.0	4.4	---	---	5.0	4.6
30	8.8	8.7	7.6	3.4	6.7	6.2	5.8	4.8	---	---	6.2	4.9
31	---	---	8.0	6.0	---	---	6.3	4.7	---	---	---	---
MONTH	9.8	8.0	9.0	3.4	9.0	5.3	7.1	4.0	6.6	4.4	8.5	3.7
YEAR	12.0	3.4										

0239/810 DUCK CREEK NEAR CENTER POST, GA.

LOCATION.--Lat 34°37'08", long 85°20'49", Walker County, Hydrologic Unit 03150105, at bridge on State Route 337, 1 mi (1.6 km) north of Center Post and 2.4 mi (3.9 km) upstream of Chattooga Creek.
DRAINAGE AREA.--32.4 mi² (83.9 km²).
PERIOD OF DAILY RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 13...	0800	135	156	7.7	13.0	9.5
FEB 12...	0830	111	148	7.6	6.5	11.3
MAY 19...	1445	375	85	7.1	18.0	8.6
AUG 18...	1345	5.6	245	8.0	23.0	7.5

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV 13...	--	--	--	--	--	--	67	4.6	--	--	--
FEB 12...	--	--	--	--	--	--	70	5.3	--	--	--
MAY 19...	39	6	13	1.5	.7	1.5	33	3.8	1.4	.1	3.9
AUG 18...	--	--	--	--	--	--	120	1.8	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)
NOV 13...	118	--	--	24	8.7	--	--	--	--	--
FEB 12...	80	--	--	9	2.7	--	--	--	--	--
MAY 19...	54	47	.26	155	157	1700	1	0	5	3
AUG 18...	126	--	--	12	.18	--	--	--	--	--

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 13...	320	280	40	--	30	10	20	--	--	--
FEB 12...	290	240	50	--	30	10	20	--	--	--
MAY 19...	2000	--	--	8	280	--	--	.1	0	10
AUG 18...	200	200	0	--	60	30	30	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY 19...	0	1000	0	<10	30	<10	<10	4300	<10	390	.01	10

02397830 HARRISBURG CREEK NEAR HAWKINS, GA.

LOCATION.--Lat 34°36'02", long 85°23'21", Walker County, Hydrologic Unit 03150105, at bridge on county road, 0.7 mi (1.1 km) west of Hawkins, 0.8 mi (1.3 km) upstream of Spring Creek, and 11 mi (17.7 km) southwest of LaFayette.

DRAINAGE AREA.--13.3 mi2 (34.4 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1979 to September 1980.

GAGE.--Water-stage recorder. Altitude of gage is 730 ft (223 m), from topographic map.

REMARKS.--Records good except those for periods of no gage-height record, Oct. 1-4, Dec. 20 to Jan. 17, and Apr. 10 to May 19, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.89 ft (2.710 m) Mar. 21, 1980 (discharge not determined); minimum discharge, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 450 ft3/s (12.7 m3/s) and maximum (*):

Date	Time	Discharge		Gage height	
		(ft³/s)	(m³/s)	(ft)	(m)
Nov. 10	0515	566	16.0	6.59	2.009
Mar. 7	2130	unknown		7.86	2.400
Mar. 17	1545	unknown		6.88	2.097
Mar. 21	0030	unknown		*8.89	2.710

Date	Time	Discharge		Gage height	
		(ft³/s)	(m³/s)	(ft)	(m)
Mar. 28	1045	546	15.5	6.54	1.993
Apr. 12	unknown	unknown		unknown	
May 24	0130	unknown		8.81	2.685

Minimum discharge, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	1.0	13	6.0	35	4.6	74	12	11	.00	.00	.00
2	70	57	8.8	4.5	29	4.1	53	10	5.6	.00	.00	.00
3	50	46	6.5	4.0	23	2.9	40	9.0	2.8	.00	.00	.00
4	34	30	5.6	5.0	18	2.8	32	8.0	1.1	.00	.00	.00
5	22	19	4.7	11	14	27	24	10	.04	.00	.00	.00
6	17	13	3.9	8.0	13	39	19	7.0	.00	.00	.00	.00
7	11	7.9	2.5	6.0	9.4	272	15	5.5	.00	.00	.00	.00
8	6.5	5.7	1.3	20	7.8	582	19	10	.00	.00	.00	.00
9	4.1	59	.64	11	19	190	17	7.0	.00	.00	.00	.00
10	4.4	384	.34	13	34	105	15	5.0	.00	.00	.00	.00
11	2.8	157	.07	20	33	65	12	3.0	.00	.00	.00	.00
12	1.5	90	.00	38	29	85	75	2.0	.00	.00	.00	.00
13	.53	58	.40	30	26	239	450	1.5	.00	.00	.00	.00
14	.09	42	.32	24	25	132	180	1.0	.00	.00	.00	.00
15	.00	31	.00	20	30	83	105	.50	.00	.00	.00	.00
16	.00	24	.00	18	116	57	60	1.5	.00	.00	.00	.00
17	.00	18	.00	17	87	384	46	150	.00	.00	.00	.00
18	.00	14	.00	22	57	264	38	100	.00	.00	.00	.00
19	.00	10	.00	25	42	135	30	155	.00	.00	.00	.00
20	.00	6.7	.00	23	34	360	26	201	.00	.00	.00	.00
21	.00	4.9	.00	19	27	660	23	132	.00	.00	.00	.00
22	.00	3.6	.00	46	22	180	20	132	.00	.00	.00	.00
23	.00	4.4	.00	103	18	108	17	374	.00	.00	.00	.00
24	.00	26	6.0	70	14	115	15	710	.00	.00	.00	.00
25	.00	42	20	47	12	102	14	170	.00	.00	.00	.00
26	.00	52	10	33	9.0	74	55	88	.00	.00	.00	.00
27	.00	43	5.0	25	7.6	53	35	50	.00	.00	.00	.00
28	.00	32	3.0	18	6.6	333	25	32	.00	.00	.00	.00
29	.00	23	2.5	14	4.8	198	20	29	.00	.00	.00	.00
30	.00	17	10	15	---	132	15	30	.00	.00	.00	.00
31	.00	---	8.5	39	---	104	---	18	---	.00	.00	---
TOTAL	363.92	1321.2	113.07	754.5	802.2	5092.4	1569	2464.00	20.54	.00	.00	.00
MEAN	11.7	44.0	3.65	24.3	27.7	164	52.3	79.5	.68	.000	.000	.000
MAX	140	384	20	103	116	660	450	710	11	.00	.00	.00
MIN	.00	1.0	.00	4.0	4.8	2.8	12	.50	.00	.00	.00	.00
CFSM	.88	3.31	.27	1.83	2.08	12.3	3.93	5.98	.05	.000	.000	.000
IN.	1.02	3.70	.32	2.11	2.24	14.24	4.39	6.89	.06	.00	.00	.00

WTR YR 1980 TOTAL 12500.83 MEAN 34.2 MAX 710 MIN .00 CFSM 2.57 IN 34.96

02397830 HARRISBURG CREEK NEAR HAWKINS, GA.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
02...	1700	64	--	--	--	--
13...	0900	58	13	6.3	11.5	10.7
JAN						
15...	1145	20	11	6.3	8.0	11.2
FEB						
12...	1000	28	12	6.5	3.5	12.9
MAR						
08...	1750	399	--	--	--	--
09...	1500	165	--	--	--	--
11...	1600	60	12	6.3	10.0	11.2
APR						
03...	1630	38	14	6.9	13.5	10.5
MAY						
19...	1300	157	13	6.3	16.0	10.1

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV											
02...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	.0	.0	--	--	--	--	4	2.8	--
JAN											
15...	--	--	.0	.0	--	--	--	--	3	2.5	--
FEB											
12...	--	--	--	--	--	--	--	--	3	2.7	--
MAR											
08...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	1	3.1	--
APR											
03...	--	--	--	--	--	--	--	--	2	4.0	--
MAY											
19...	4	1	.1	5.0	1.0	.4	.6	.6	3	3.8	1.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV											
02...	--	--	--	--	--	47	8.1	--	--	--	--
13...	--	--	17	--	--	7	1.1	--	--	--	--
JAN											
15...	--	--	16	--	--	1	.05	--	--	--	--
FEB											
12...	--	--	14	--	--	1	.08	--	--	--	--
MAR											
08...	--	--	--	--	--	22	24	--	--	--	--
09...	--	--	--	--	--	7	3.1	--	--	--	--
11...	--	--	16	--	--	4	.65	--	--	--	--
APR											
03...	--	--	13	--	--	1	.10	--	--	--	--
MAY											
19...	.0	3.5	12	13	.09	16	6.8	120	0	0	4

02397830 HARRISBURG CREEK NEAR HAWKINS, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV											
02...	--	--	--	--	--	--	--	--	--	--	--
13...	--	90	80	10	--	10	0	10	--	--	--
JAN											
15...	--	50	50	0	--	10	10	0	--	--	--
FEB											
12...	--	60	50	10	--	10	0	10	--	--	--
MAR											
08...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
11...	--	160	140	20	--	10	0	10	--	--	--
APR											
03...	--	80	--	--	--	0	0	0	--	--	--
MAY											
19...	0	250	--	--	2	20	--	--	.1	0	20

02397860 TELOGA CREEK AT NEAL CROSSING, GA.

LOCATION.—Lat 34°33'16", long 85°25'08", Chattooga County, Hydrologic Unit 03150105, at bridge on county road 0.2 mi (0.3 km) west of Neal Crossing and 5.0 mi (8.0 km) southwest of Center Post.
DRAINAGE AREA.--3.39 mi2 (8.78 km2).
PERIOD OF RECORD.—September 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 13...	1015	17	35	7.0	12.5	10.1
FEB 12...	1100	12	38	6.9	7.0	11.6
MAY 19...	1200	95	23	6.8	16.0	9.4
AUG 18...	1200	.41	205	8.1	19.0	10.1

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV 13...	--	--	--	--	--	--	11	2.4	--	--	--
FEB 12...	--	--	--	--	--	--	24	3.0	--	--	--
MAY 19...	11	3	3.4	.5	.5	.5	8	3.4	.8	.0	3.4
AUG 18...	--	--	--	--	--	--	110	2.7	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)
NOV 13...	32	--	--	7	.32	--	--	--	--	--
FEB 12...	30	--	--	1	.03	--	--	--	--	--
MAY 19...	22	18	.07	95	24	140	0	0	5	2
AUG 18...	110	--	--	3	.00	--	--	--	--	--

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 13...	140	60	80	--	10	0	10	--	--	--
FEB 12...	100	100	0	--	10	0	10	--	--	--
MAY 19...	2100	--	--	2	100	--	--	.2	0	40
AUG 18...	100	100	0	--	20	10	10	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY 19...	0	750	0	<10	10	<10	<10	3200	<10	790	.00	13

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.

LOCATION.--Lat 34 28'03", long 85 20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 ft (183 m) downstream from bridge on U.S. Highway 27, 1 mi (1.6 km) southeast of Summerville, and 4 mi (6.4 km) upstream from Raccoon Creek.

DRAINAGE AREA.--192 mi^2 (497 km^2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft (186.986 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 362 ft^3/s (10.3 m^3/s), 25.60 in/yr (650 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft^3/s (694 m^3/s) Mar. 29, 1951, gage height, 21.0 ft (6.40 m); minimum daily, 38 ft^3/s (1.08 m^3/s) Oct. 17, 1937, Nov. 9, 1939.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft^3/s (85.0 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 10	1800	4140	117	13.63	4.154
Mar. 8	1600	7940	225	16.17	4.929
Mar. 13	1600	3050	86.4	11.90	3.627
Mar. 18	0600	7120	202	15.56	4.743
Mar. 21	1800	*10300	292	16.91	5.154
Mar. 28	2400	4360	123	13.95	4.252
Apr. 14	1000	8180	232	16.07	4.898
May 18	0600	4030	114	13.47	4.106
May 24	1700	3940	112	13.34	4.066

Minimum discharge, 78 ft^3/s (2.21 m^3/s) Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	753	175	369	336	689	271	957	363	431	151	116	101
2	608	525	336	310	572	286	812	340	388	147	112	100
3	504	493	302	286	522	253	732	323	355	145	112	97
4	475	375	283	416	463	241	691	311	328	143	114	96
5	459	309	273	479	412	491	569	296	305	140	119	95
6	384	262	267	409	406	565	514	284	289	136	118	94
7	340	234	255	390	383	795	478	276	273	141	113	97
8	283	218	235	514	356	6370	482	295	261	138	110	97
9	256	282	220	465	465	3420	492	273	244	133	107	92
10	261	3200	209	445	831	1400	431	256	243	132	112	93
11	246	2040	206	464	667	986	402	247	236	129	118	90
12	222	1020	201	608	601	1170	1760	238	227	127	109	89
13	202	758	214	516	542	2770	2820	231	220	125	106	84
14	189	605	230	479	498	1710	6260	263	204	125	104	85
15	172	516	204	436	481	1090	2020	334	187	124	105	87
16	158	454	195	400	820	878	1240	244	185	122	105	84
17	157	405	185	431	744	2600	920	1580	194	125	108	84
18	151	369	175	481	610	5030	770	3010	188	135	112	84
19	146	339	171	480	542	1890	683	1480	184	123	131	83
20	143	311	165	442	515	2400	625	2610	174	122	119	81
21	141	289	162	417	480	8350	530	1730	167	122	111	79
22	139	273	161	592	437	3320	474	1150	167	124	106	84
23	181	271	204	1260	403	1610	440	2480	167	146	104	80
24	164	555	232	814	371	1730	418	3160	169	131	102	80
25	143	646	435	680	345	1480	392	1910	185	128	101	93
26	136	784	334	581	320	1050	490	1080	168	130	98	100
27	133	615	292	520	302	875	474	805	162	155	96	87
28	131	530	267	465	294	2410	421	668	156	135	94	135
29	135	459	249	411	280	2820	415	573	155	128	95	197
30	208	405	341	398	---	1550	390	534	157	121	100	376
31	176	---	381	1050	---	1260	---	469	---	118	108	---
TOTAL	7796	17717	7753	15975	14351	61071	28102	27813	6769	4101	3365	3124
MEAN	251	591	250	515	495	1970	937	897	226	132	109	104
MAX	753	3200	435	1260	831	8350	6260	3160	431	155	131	376
MIN	131	175	161	286	280	241	390	231	155	118	94	79
CFSM	1.31	3.08	1.30	2.68	2.58	10.3	4.88	4.67	1.18	.69	.57	.54
IN.	1.51	3.43	1.50	3.10	2.78	11.83	5.44	5.39	1.31	.79	.65	.61

CAL YR 1979 TOTAL 183894 MEAN 504 MAX 13600 MIN 111 CFSM 2.63 IN 35.63
WTR YR 1980 TOTAL 197937 MEAN 541 MAX 8350 MIN 79 CFSM 2.82 IN 38.35

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 24...	0825	163	8.0	4.5	14.0	7.9
NOV 27...	1450	595	7.8	21.0	13.5	9.6
DEC 12...	0930	200	7.7	15.0	10.5	10.0
JAN 29...	1250	412	7.5	5.0	10.0	9.2
APR 23...	0745	442	7.7	13.5	15.0	9.2
MAY 28...	0630	688	7.4	20.0	18.5	8.7
JUN 24...	1330	173	7.8	23.0	20.0	7.0
JUL 30...	0935	122	7.9	23.0	22.5	7.2
AUG 27...	0600	98	8.0	17.0	21.5	7.1
SEP 24...	1230	79	7.8	31.0	25.0	6.3

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	346	5	.6	40	111	144	.45	.020	.090	<1.0
NOV 27...	183	12	.4	430	78	75	.44	<.020	.040	<1.0
DEC 12...	303	9	.3	<30	101	129	.56	.030	.080	2.0
JAN 29...	213	6	.6	110	116	90	.46	.020	.020	2.0
APR 23...	217	7	.5	90	82	99	.44	.030	.030	1.5
MAY 28...	163	12	.6	120	76	70	.44	.030	.050	2.0
JUN 24...	300	5	.1	230	100	129	.60	.040	.030	<1.0
JUL 30...	220	15	1.2	90	110	149	.50	<.020	<.020	2.0
AUG 27...	440	5	.9	40	112	162	.40	.030	.160	2.0
SEP 24...	430	5	.8	--	124	175	.35	.050	.210	3.0

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.

LOCATION.--Lat 34°20'08", long 85°26'43", Chattooga County, Hydrologic Unit 03150105, at bridge on Holland-Chattoogaville Road, 0.4 mi (0.6 km) downstream from Hinton Creek, and 0.7 mi (1.1 km) south of Chattoogaville.

DRAINAGE AREA.--281 mi2 (728 km2).

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
24...	0900	280	7.6	9.0	15.0	7.0
NOV						
27...	1600	840	7.8	21.0	13.0	9.1
DEC						
12...	1015	287	7.6	15.0	10.0	9.2
JAN						
29...	1215	560	7.7	4.5	9.5	9.2
MAR						
13...	1420	4200	7.3	7.0	8.0	11.9
APR						
23...	0845	620	7.8	17.5	17.5	8.4
MAY						
28...	0545	980	7.7	20.0	19.0	8.5
JUN						
24...	1400	232	7.5	26.0	21.0	6.8
JUL						
30...	1050	158	8.1	33.0	23.0	7.7
AUG						
27...	0630	124	8.0	17.0	22.0	5.5
SEP						
24...	1330	113	7.6	33.0	23.0	6.7

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
24...	328	6	1.3	2300	106	137	5	.50	.060	.250	1.0
NOV											
27...	192	19	.8	930	82	77	8	.47	.040	.070	<1.0
DEC											
12...	308	10	1.0	<30	104	127	1	.59	.060	.170	<1.0
JAN											
29...	209	8	1.1	70	114	89	13	.50	.040	.070	1.0
MAR											
13...	94	60	2.1	4300	40	35	42	.27	.030	.120	4.0
APR											
23...	206	9	.6	90	76	89	13	.44	.040	.050	<1.0
MAY											
28...	155	15	.6	7500	74	67	22	.46	.050	.050	1.5
JUN											
24...	290	8	2.0	430	102	118	12	.58	.040	.090	<1.0
JUL											
30...	170	16	1.0	90	110	132	5	.53	<.020	.180	1.0
AUG											
27...	350	6	1.0	430	106	140	12	.59	.030	.230	1.0
SEP											
24...	285	5	.6	40	106	131	13	.44	.040	.270	2.0

02398580 MIDDLE FORK LITTLE RIVER NEAR VALLEY HEAD, ALA.

LOCATION.--Lat 34°32'18", long 85°31'33", DeKalb County, Hydrologic Unit 03150105, at bridge on State Route 58, 1.5 mi (2.4 km) west of Cloudland, Ga., 5.0 mi (8.0 km) east of Mentone, and 7.0 mi (11.3 km) east of Valley Head.
DRAINAGE AREA.--17.0 mi2 (44.0 km2).
PERIOD OF RECORD.--September 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
NOV 12...	1345	123	24	5.8	12.5	10.0
FEB 11...	1400	57	25	5.5	3.5	13.3
MAY 20...	0900	347	28	5.9	14.5	9.6
AUG 19...	0800	.23	130	6.2	23.5	6.1

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 12...	--	--	.0	.0	--	--	--	--	4	7.9	--
FEB 11...	--	--	--	--	--	--	--	--	5	9.4	--
MAY 20...	9	6	.1	5.0	1.9	1.0	.6	.5	3	9.5	.8
AUG 19...	--	--	--	--	--	--	--	--	2	42	--

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 12...	--	--	38	--	--	2	.66	--	--	--	--
FEB 11...	--	--	20	--	--	1	.15	--	--	--	--
MAY 20...	.0	3.3	24	20	.18	70	66	120	0	0	5
AUG 19...	--	--	87	--	--	8	.00	--	--	--	--

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV 12...	--	100	90	10	--	260	0	280	--	--	--
FEB 11...	--	90	90	0	--	300	0	300	--	--	--
MAY 20...	2	1200	--	--	0	370	--	--	.1	0	20
AUG 19...	--	240	200	40	--	260	0	260	--	--	--

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ALUMINUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
MAY 20...	0	1200	0	<10	<10	<10	<10	2000	<10	190	.00	9

02398582 BRUSH CREEK NEAR MENTONE, ALA.

LOCATION.--Lat 34°32'07", long 85°31'46", DeKalb County, Hydrologic Unit 03150105, at culvert on county road 0.1 mi (0.2 km) upstream of Middle Fork Little River and 5.0 mi (8.0 km) east of Mentone.
DRAINAGE AREA.--3.44 mi^2 (8.91 km^2).
PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
NOV 12...	1500	20	24	6.5	13.5	9.8
FEB 11...	1515	11	29	6.6	5.5	11.7
MAY 20...	1000	78	27	6.2	15.5	9.4
AUG 19...	0900	3.4	138	7.5	22.0	8.4

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 12...	--	--	--	.0	--	--	--	--	0	7.1	--
FEB 11...	--	--	--	--	--	--	--	--	5	8.1	--
MAY 20...	9	2	.2	10	2.1	.9	.7	.6	7	8.5	.8
AUG 19...	--	--	--	--	--	--	--	--	54	16	--

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 12...	--	--	32	--	--	6	.32	--	--	--	--
FEB 11...	--	--	20	--	--	3	.09	--	--	--	--
MAY 20...	.0	3.1	22	22	.24	65	14	490	0	0	5
AUG 19...	--	--	73	--	--	8	.07	--	--	--	--

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV 12...	--	340	230	110	--	180	0	190	--	--	--
FEB 11...	--	260	160	100	--	180	0	190	--	--	--
MAY 20...	3	1300	--	--	2	170	--	--	.2	0	20
AUG 19...	--	1200	1100	130	--	320	20	300	--	--	--

02398600 GILREATH CREEK NEAR CLOUDLAND, GA.

LOCATION.--Lat 34°34'05", long 85°27'17", Chattooga County, Hydrologic Unit 03150105, at bridge on county road 4.6 mi (7.4 km) north of Cloudland.
DRAINAGE AREA.--3.91 mi2 (10.1 km2).
PERIOD OF RECORD.--September 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
NOV 13...	1115	19	15	5.9	11.5	10.2
FEB 12...	1230	11	18	6.0	3.5	12.7
MAY 19...	1630	51	18	7.0	16.0	9.5

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 13...	--	--	.0	.0	--	--	--	--	1	5.1	--
FEB 12...	--	--	--	--	--	--	--	--	2	5.1	--
MAY 19...	6	5	.1	5.0	1.6	.4	.5	.5	1	4.5	1.1

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 13...	--	--	28	--	--	4	.21	--	--	--	--
FEB 12...	--	--	16	--	--	1	.03	--	--	--	--
MAY 19...	.0	2.7	14	12	.09	16	2.2	10	0	0	4

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV 13...	--	180	110	70	--	70	0	70	--	--	--
FEB 12...	--	170	120	50	--	60	0	60	--	--	--
MAY 19...	2	630	--	--	0	70	--	--	.2	0	20

02398620 EAST FORK LITTLE RIVER NEAR CLOUDLAND, GA.

LOCATION.—Lat 34°31'22", long 85°30'20", Chattooga County, Hydrologic Unit 03150105, at bridge on State Route 48, 0.8 mi (1.3 km) northwest of Cloudland and 0.9 mi (1.4 km) from Georgia-Alabama State Line.
DRAINAGE AREA.—12.1 mi2 (31.13 km2).
PERIOD OF RECORD.—September 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
12...	1230	79	21	6.1	12.5	10.3
FEB						
11...	1245	36	28	6.4	3.5	13.5
MAY						
20...	0730	356	25	6.4	15.0	9.4
AUG						
18...	1630	.31	78	7.1	26.0	9.0

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV											
12...	--	--	.0	.0	--	--	--	--	2	6.8	--
FEB											
11...	--	--	--	--	--	--	--	--	4	9.4	--
MAY											
20...	8	1	.1	5.0	1.8	.8	.5	.5	7	8.1	.7
AUG											
18...	--	--	--	--	--	--	--	--	13	--	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV											
12...	--	--	22	--	--	11	2.3	--	--	--	--
FEB											
11...	--	--	20	--	--	1	.10	--	--	--	--
MAY											
20...	.0	3.0	19	20	.10	84	81	470	0	0	4
AUG											
18...	--	--	56	--	--	7	.01	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV											
12...	--	310	280	30	--	170	0	170	--	--	--
FEB											
11...	--	110	100	10	--	220	0	230	--	--	--
MAY											
20...	3	1600	--	--	0	300	--	--	.1	0	10
AUG											
18...	--	140	90	50	--	90	0	90	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY												
20...	0	860	0	<10	<10	<10	<10	1300	<10	150	.00	9

02398857 EAST FORK OF WEST FORK LITTLE RIVER NEAR HEAD RIVER, GA.

LOCATION.--Lat 34°38'16", long 85°30'25", Walker County, Hydrologic Unit 03150105, at bridge on county road 2.0 mi (3.2 km) south of Head River.

DRAINAGE AREA.--6.35 mi^2 (16.4 km^2).

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
NOV 13...	1230	38	13	5.5	12.0	9.7
FEB 12...	1530	15	12	5.5	5.0	11.6
MAY 20...	1400	81	15	5.8	15.5	9.2

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 13...	--	--	.0	.0	--	--	--	--	0	4.5	--
FEB 12...	--	--	.0	.0	--	--	--	--	3	4.9	--
MAY 20...	4	1	.1	5.0	1.1	.4	.5	.4	3	4.3	.8

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 13...	--	--	19	--	--	5	.51	--	--	--	--
FEB 12...	--	--	14	--	--	1	.04	--	--	--	--
MAY 20...	.0	3.1	12	13	.05	4	.87	120	0	0	5

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV 13...	--	130	70	60	--	60	0	60	--	--	--
FEB 12...	--	110	50	60	--	40	0	40	--	--	--
MAY 20...	2	190	--	--	2	50	--	--	<.1	0	10

02398860 LONG BRANCH AT HEAD RIVER, GA.

LOCATION.--Lat 34°39'49", long 85°30'18", Dade County, Hydrologic Unit 03150105, at bridge on county road 0.4 mi (0.6 km) north of Head River.
DRAINAGE AREA.--1.30 mi2 (3.37 km2).
PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 13...	1330	6.3	20	6.1	11.0	9.2
FEB 12...	1415	3.2	19	5.6	3.5	11.5
MAY 20...	1500	14	21	6.6	18.5	8.8
AUG 19...	1230	.06	41	6.4	23.0	3.8

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 13...	--	--	.0	.0	--	--	--	--	1	4.8	--
FEB 12...	--	--	--	--	--	--	--	--	3	5.6	--
MAY 20...	7	1	.1	5.0	1.8	.6	.7	.5	6	5.0	1.3
AUG 19...	--	--	--	--	--	--	--	--	13	3.2	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV 13...	--	--	29	--	--	3	.05	--	--	--	--
FEB 12...	--	--	17	--	--	1	.01	--	--	--	--
MAY 20...	.0	3.6	17	18	.09	5	.19	50	0	0	4
AUG 19...	--	--	39	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 13...	--	270	200	70	--	40	0	40	--	--	--
FEB 12...	--	150	70	80	--	40	0	50	--	--	--
MAY 20...	1	160	--	--	0	30	--	--	<.1	0	10
AUG 19...	--	3700	--	--	--	610	10	600	--	--	--

02398863 WEST FORK LITTLE RIVER TRIBUTARY NEAR MENTONE, ALA.

LOCATION.--Lat 34°36'04", long 85°32'37", DeKalb County, Hydrologic Unit 03150105, at bridge on county road 0.8 mi (1.3 km) upstream of West Fork Little River and 3 mi (4.8 km) northeast of Mentone.
DRAINAGE AREA.--0.57 mi2 (1.48 km2).
PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
NOV 12...	1700	4.6	14	5.4	13.0	9.6
FEB 11...	1730	2.2	15	5.6	4.5	12.2
MAY 20...	1230	7.7	13	7.0	16.0	8.6

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 12...	--	--	.0	.0	--	--	--	--	4	4.2	--
FEB 11...	--	--	.0	.0	--	--	--	--	0	4.6	--
MAY 20...	4	0	.1	5.0	1.0	.3	.4	.5	5	3.5	.6

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 12...	--	--	16	--	--	5	.06	--	--	--	--
FEB 11...	--	--	10	--	--	3	.02	--	--	--	--
MAY 20...	.0	2.8	10	13	.10	8	.17	130	0	0	3

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV 12...	--	190	90	100	--	70	0	70	--	--	--
FEB 11...	--	150	70	80	--	50	0	60	--	--	--
MAY 20...	0	440	--	--	7	60	--	--	.1	0	20

02398865 WEST FORK LITTLE RIVER AT TAYLOR FORD, NEAR VALLEY HEAD, ALA.

LOCATION.--Lat 34°35'11", long 85°33'49", DeKalb County, Hydrologic Unit 03150105, at river ford 2.0 mi (3.2 km) northeast of Mentone and 3.5 mi (5.6 km) northeast of Valley Head.
DRAINAGE AREA.--28.5 mi2 (73.8 km2).
PERIOD OF RECORD.--September 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 12...	1600	241	33	5.4	12.5	10.2
FEB 11...	1630	88	11	5.7	3.5	13.3
MAY 20...	1130	268	14	6.3	15.0	9.6
AUG 19...	1630	.22	22	6.5	26.0	6.9

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 12...	--	--	--	.0	--	--	--	--	2	3.8	--
FEB 11...	--	--	.0	.0	--	--	--	--	1	4.5	--
MAY 20...	4	2	.1	5.0	1.0	.4	.5	.4	2	3.7	.7
AUG 19...	--	--	--	--	--	--	--	--	8	1.9	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV 12...	--	--	20	--	--	1	.65	--	--	--	--
FEB 11...	--	--	13	--	--	1	.24	--	--	--	--
MAY 20...	.0	3.2	10	11	.05	5	3.6	70	0	0	3
AUG 19...	--	--	20	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 12...	--	80	60	20	--	50	0	60	--	--	--
FEB 11...	--	100	90	10	--	30	0	30	--	--	--
MAY 20...	0	170	--	--	0	40	--	--	.1	0	20
AUG 19...	--	590	510	80	--	60	10	50	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY 20...	0	820	0	<10	<10	<10	<10	5500	<10	93	.00	6

02411800 LITTLE RIVER NEAR BUCHANAN, GA.

LOCATION.--Lat 33°47'51", long 85°07'03", Haralson County, Hydrologic Unit 03150108, on right bank 150 ft (46 m) upstream from county highway bridge, 4.5 mi (7.2 km) east of Buchanan, and 7 mi (11.3 km) upstream from mouth.

DRAINAGE AREA.--20.2 mi^2 (52.3 km^2), revised.

PERIOD OF RECORD.--June 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,110 ft (338 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Nov. 1-28, which are fair.

AVERAGE DISCHARGE.--21 years, 34.6 ft^3/s (0.98 m^3/s), 26.10 in/yr (663 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft^3/s (108 m^3/s) Mar. 14, 1966, gage height, 12.58 ft (3.834 m), from rating curve extended above 2,300 ft^3/s (65.1 m^3/s) on basis of slope-area measurement at gage height, 12.47 ft (3.801 m); minimum, 1.6 ft^3/s (0.045 m^3/s) Oct. 5, 6, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft^3/s (14.2 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 12	1900	730	20.7	3.84	1.170	Apr. 13	2215	890	25.2	4.60	1.402
Mar. 21	0615	715	20.2	3.78	1.152	May 23	1800	*916	25.9	4.73	1.442
Mar. 28	1745	585	16.6	3.26	0.994						

Minimum daily discharge, 3.8 ft^3/s (0.108 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	20	25	20	43	37	74	30	41	13	7.0	11
2	24	70	24	19	37	44	64	28	36	12	6.3	8.5
3	97	100	23	19	34	37	60	27	32	13	5.7	6.6
4	181	50	23	26	33	34	57	26	26	12	5.2	5.2
5	69	35	23	25	31	103	49	25	24	11	5.1	4.5
6	47	28	23	21	32	68	46	24	22	16	4.8	4.2
7	31	23	22	20	32	64	45	22	21	23	4.9	4.0
8	25	21	21	32	30	161	49	22	20	15	4.9	4.0
9	40	20	21	29	93	109	46	22	19	18	4.6	3.9
10	29	25	20	26	105	75	42	20	18	15	4.0	4.8
11	21	38	21	80	65	54	39	20	17	12	4.4	6.1
12	19	30	20	78	51	305	112	20	17	12	4.7	4.4
13	17	28	22	48	44	236	300	19	16	10	4.3	4.2
14	16	25	22	36	40	122	215	36	16	8.9	4.4	4.0
15	17	23	20	31	38	93	117	31	15	8.6	4.6	4.1
16	17	22	20	29	74	66	89	25	14	8.3	5.0	3.8
17	17	21	19	194	54	215	67	53	15	7.9	6.7	7.6
18	17	20	18	261	46	176	57	43	17	7.5	6.1	12
19	17	19	19	119	42	93	51	34	16	7.4	5.8	9.3
20	17	19	19	78	41	84	47	112	15	6.9	5.5	7.6
21	17	18	18	58	40	335	44	61	14	6.8	4.6	6.5
22	17	18	19	129	44	115	39	166	14	7.0	4.0	5.7
23	25	20	19	170	43	82	35	447	23	7.9	4.0	5.1
24	19	55	26	82	38	86	33	140	46	9.9	4.0	4.5
25	17	35	24	60	36	70	31	84	46	10	4.2	5.1
26	16	45	21	50	32	60	1	62	26	9.6	4.0	7.4
27	16	35	19	44	31	55	40	49	19	14	4.0	5.2
28	16	32	19	39	31	275	33	82	17	11	4.0	34
29	26	28	18	36	30	148	36	91	15	9.3	4.2	45
30	22	26	22	34	---	128	32	63	15	8.0	6.4	102
31	19	---	21	56	---	92	---	48	---	7.2	8.5	---
TOTAL	969	949	651	1949	1290	3622	1990	1932	652	338.2	155.9	340.3
MEAN	31.3	31.6	21.0	62.9	44.5	117	66.3	62.3	21.7	10.9	5.03	11.3
MAX	181	100	26	261	105	335	300	447	46	23	8.5	102
MIN	16	18	18	19	30	34	31	19	14	6.8	4.0	3.8
CFSM	1.55	1.56	1.04	3.11	2.20	5.79	3.28	3.08	1.07	.54	.25	.56
IN.	1.78	1.75	1.20	3.59	2.38	6.67	3.66	3.56	1.20	.62	.29	.63

CAL YR 1979 TOTAL 16029.8 MEAN 43.9 MAX 976 MIN 7.1 CFSM 2.17 IN 29.52

WTR YR 1980 TOTAL 14838.4 MEAN 40.5 MAX 447 MIN 3.8 CFSM 2.01 IN 27.32

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA.

LOCATION.--Lat 33°44'27", long 85°20'11", Haralson County, Hydrologic Unit 03150108, at bridge on U.S. Highway 78, 0.4 mi (0.6 km) upstream from Walker Creek, and 2.7 mi (4.3 km) west of Tallapoosa.

DRAINAGE AREA.--272 mi^2 (704 km^2), revised.

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 17...	1100	280	7.0	23.0	14.0	9.5
DEC 06...	1400	574	6.6	13.5	6.5	10.0
APR 16...	1440	1610	6.9	21.0	13.5	9.6
JUN 04...	0700	528	6.5	20.0	21.0	8.0
AUG 07...	0930	67	6.5	31.0	24.0	6.0
SEP 03...	1220	67	7.0	30.0	23.5	7.1

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 17...	36	9	.6	90	13	.12	.050	<.020	1.0
DEC 06...	35	9	<.1	90	12	.15	.040	.020	<1.0
APR 16...	25	35	.5	750	8	.14	<.020	.020	4.0
JUN 04...	29	16	.8	230	10	.15	.040	.030	2.5
AUG 07...	16	18	.3	150	12	.15	<.020	.040	1.0
SEP 03...	34	23	.5	430	11	.15	.050	.030	3.0

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA.

LOCATION.--Lat 33°29'34", long 85°16'45", Carroll County, Hydrologic Unit 03150108, at bridge on State Highway 100, 1.9 mi (3.1 km) upstream from Indian Creek, and 3.8 mi (6.1 km) southwest of Bowdon.

DRAINAGE AREA.--245 mi^2 (635 km^2).

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
17...	1030	152	6.6	22.0	14.0	9.0
NOV						
14...	1200	393	7.0	12.0	12.0	9.1
DEC						
06...	1315	255	6.8	13.5	7.0	10.0
JAN						
22...	1315	840	6.5	12.5	10.5	9.2
APR						
16...	1400	2640	6.7	24.0	14.5	8.0
MAY						
07...	0900	323	6.6	20.5	17.5	8.0
JUN						
04...	0900	289	6.7	29.5	22.0	7.5
JUL						
08...	1215	234	6.7	34.0	26.0	6.5
AUG						
07...	0830	54	6.5	28.5	24.0	5.0
SEP						
03...	1315	89	6.6	28.5	23.5	6.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
17...	58	10	.9	70	17	.62	.080	.020	1.0
NOV									
14...	57	12	1.3	4300	15	.35	.060	.130	<1.0
DEC									
06...	61	11	.3	150	15	.48	.260	.280	<1.0
JAN									
22...	46	29	1.2	4300	11	.34	.150	.250	6.0
APR									
16...	34	54	1.2	930	8	.22	.050	.130	4.5
MAY									
07...	50	17	1.3	90	13	.57	.090	.560	1.7
JUN									
04...	48	18	1.0	930	13	.56	.060	.120	3.0
JUL									
08...	56	16	1.7	390	13	.72	.060	.190	4.0
AUG									
07...	45	18	1.4	90	16	1.4	.080	.390	3.0
SEP									
03...	69	18	1.2	230	13	1.1	.090	.260	3.2

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02381400 CARTERS LAKE.--Lat 34°36'50", long 84°40'16", Murray County, Hydrologic Unit 03150102, at forebay of dam on Coosawattee River, 1.3 mi (2.1 km) upstream from Talking Rock Creek, 1.3 mi (2.1 km) east of Carters, 1.9 mi (3.1 km) upstream from Louisville and Nashville Railway bridge, and at mile 26.8 (43.1 km). DRAINAGE AREA, 373 mi2 (966 km2), revised. PERIOD OF RECORD, November 1974 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers).

Lake is formed by rolled rock-filled dam. Emergency spillway, crest elevation, 1,070 ft (326.14 m), is equipped with five taintor gates 42 ft (12.8 m) wide by 36.6 ft (11.2 m) high. There is one sluice 16.5 ft (5.0 m) in diameter. Storage began Nov. 12, 1974. Lake first reached minimum pool, elevation, 1,022 ft (311.51 m) Mar. 17, 1975. Power operation began July 19, 1975. Capacity at primary flood control pool elevation, 1,099 ft (334.98 m), 472,800 acre-ft (583 hm3). Capacity at maximum power pool elevation, 1,072 ft (326.75 m), 377,100 acre-ft (465 hm3). Dead storage below elevation 1,022 ft (311.51 m), 242,200 acre-ft (299 hm3). Lake is used for flood control and power. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 472,400 acre-ft (582 hm3) Apr. 8, 1977, elevation, 1,099.16 ft (335.024 m); minimum, after first filling, 356,200 acre-ft (434 hm3) Oct. 22, 1976, elevation, 1,064.30 ft (324.399 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 446,400 acre-ft (550 hm3) Mar. 31, elevation, 1,092.30 ft (332.933 m); minimum, 364,400 acre-ft (449 hm3) Mar. 3, elevation, 1,068.24 ft (325.600 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30................	1073.87	382300	-	-
Oct. 31................	1072.60	378200	-4100	-67
Nov. 30................	1073.79	382100	+3900	+66
Dec. 31................	1071.14	373500	-8600	-140
CAL YR 1979	-	-	-10100	-14
Jan. 31................	1070.30	370800	-2700	-44
Feb. 29................	1070.70	372100	+1300	+23
Mar. 31................	1089.80	437200	+65100	+1059
Apr. 30................	1076.20	390000	-47200	-793
May 31................	1072.10	376600	-13400	-218
June 30................	1070.00	369900	-6700	-113
July 31................	1070.10	370200	+300	+5
Aug. 31................	1071.18	373700	+3500	+57
Sept. 30................	1072.70	378500	+4800	+81
WTR YR 1980	-	-	-3800	-5

02382400 CARTERS RE-REGULATION DAM.--Lat 34°36'15", long 84°41'29", Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawattee River, 0.2 mi (0.3 km) downstream from Talking Rock Creek, 0.2 mi (0.3 km) upstream from Louisville and Nashville Railway bridge, 1.5 mi (2.4 km) downstream from main dam and at mile 25.3 (40.7 km). DRAINAGE AREA, 520 mi2 (1,350 km2), revised. PERIOD OF RECORD, July 1975 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers).

Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway, crest elevation, 662.5 ft (201.93 m) is equipped with four taintor gages 42 ft (12.8 m) wide by 36.5 ft (11.1 m) high. Capacity at maximum storage pool elevation, 698 ft (212.8 m), 17,600 acre-ft (21.7 hm3). Dead storage, 290 acre-ft (0.36 hm3). The reservoir is used for storage and re-regulation of power releases from Carters main dam. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 18,800 acre-ft (23.2 hm3) Apr. 14, 1977, elevation, 699.36 ft (213.165 m); minimum, 500 acre-ft (0.62 hm3) June 30, 1975, elevation, 666.12 ft (203.033 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 17,500 acre-ft (21.6 hm3) May 2, elevation, 698.18 ft (212.805 m); minimum, 1,600 acre-ft (1.97 hm3) Dec. 12, elevation, 675.27 ft (205.822 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30................	679.96	3800	-	-
Oct. 31................	684.13	6500	+2700	+44
Nov. 30................	684.88	7000	+500	+8
Dec. 31................	682.14	5200	-1800	-29
CAL YR 1979	-	-	-100	0
Jan. 31................	689.09	10100	+4900	+80
Feb. 29................	685.00	7100	-3000	-52
Mar. 31................	688.51	9600	+2500	+41
Apr. 30................	695.18	15000	+5400	+91
May 31................	695.22	15000	0	0
June 30................	695.21	15000	0	0
July 31................	693.92	13900	-1100	-18
Aug. 31................	689.74	10600	-3300	-54
Sept. 30................	684.38	6700	[illegible]3900	-66
WTR YR 1980	-	-	+2900	+4

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN—Continued

02393500 ALLATOONA RESERVOIR.—Lat 34°09'46", long 84°43'40", Bartow County, Hydrologic Unit 03150104, at forebay of dam on Etowah River, 2.8 mi (4.5 km) upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4 mi (6.4 km) east of Cartersville, and 6 mi (9.7 km) upstream from Pumpkinvine Creek. DRAINAGE AREA, 1,120 mi2 (2,900 km2), revised. PERIOD OF RECORD, December 1949 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Army Corps of Engineers).

Lake is formed by concrete gravity dam. Spillway, crest elevation, 835.0 ft (254.51 m) is equipped with nine taintor gates 40 ft (12.2 m) wide by 25 ft (7.6 m) high. There are four sluices 5.67 ft (1.73 m) by 10 ft (3.05 m) high and one sluice 4.0 ft (1.22 m) in diameter. Storage began Dec. 27, 1949; water in lake first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft (262.13 m), top of gates, is 670,000 acre-ft (826 hm3), of which 587,100 acre-ft (724 hm3) is controlled storage above 800 ft (243.84 m), minimum pool. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 693,800 acre-ft (855 hm3) Apr. 10, 1964, elevation, 861.19 ft (262.491 m); minimum, 119,600 acre-ft (147 hm3) Dec. 4, 1954, elevation, 809.34 ft (246.69 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 626,900 acre-ft (773 hm3) Mar. 30, elevation, 857.68 ft (261.421 m); minimum, 218,600 acre-ft (270 hm3) Dec. 14, elevation, 825.02 ft (251.466 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30................	841.55	386200	-	-
Oct. 31................	835.72	319100	-67100	-1091
Nov. 30................	830.33	264900	-54200	-911
Dec. 31................	826.09	227400	-37500	-610
CAL YR 1979	-	-	+7300	+10
Jan. 31................	827.63	240600	+13200	+215
Feb. 29................	830.62	267700	+27100	+471
Mar. 31................	857.52	624000	+356300	+5795
Apr. 30................	849.14	488000	-136000	-2286
May 31................	840.85	377700	-110300	-1794
June 30................	841.76	388800	+11100	+187
July 31................	838.53	350300	-38500	-626
Aug. 31................	835.95	321600	-28700	-467
Sept. 30................	834.29	304000	-17600	-296
WTR YR 1980	-	-	-82200	-114

03545000 HIWASSEE RIVER AT PRESLEY, GA.

LOCATION.--Lat 34°54'17", long 83°42'01", Towns County, Hydrologic Unit 06020002, on left bank 0.1 mi (0.2 km) downstream from Cynth Creek, 0.5 mi (0.8 km) southeast of Presley, 1.4 mi (2.3 km) upstream from Hightower Creek, and at mile 133.9 (215.4 km).

DRAINAGE AREA.--45.5 mi^2 (118 km^2).

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1306.

REVISED RECORDS.--WSP 973: 1942. WSP 1910: 1957-58, 1959-60(P).

GAGE.--Water-stage recorder. Datum of gage is 1,932.69 ft (589.084 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of chemical analyses for the water years 1969-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--39 years, 141 ft^3/s (3.99 m^3/s), 42.08 in/yr (1,069 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,700 ft^3/s (161 m^3/s) Mar. 11, 1952, gage height, 15.24 ft (4.645 m), from rating curve extended above 3,000 ft^3/s (85.0 m^3/s) on basis of slope-area and contracted-opening measurements at gage heights 12.80 and 15.24 ft (3.901 and 4.645 m), respectively; minimum, 15 ft^3/s (0.42 m^3/s) Dec. 16, 1958, gage-height, 1.48 ft (0.451 m), result of a freezeup; minimum daily, 23 ft^3/s (0.65 m^3/s) Sept. 29, Oct. 5, 6, 8, 10-13, 1954, Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft^3/s (22.7 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 25	1700	1350	38.2	5.76	1.756
Mar. 17	1800	1020	28.9	4.92	1.500
Mar. 21	0445	*1800	51.0	6.69	2.039
Apr. 8	1415	812	23.0	4.32	1.317
Apr. 14	0615	892	25.3	4.55	1.387
May 17	2215	830	23.5	4.37	1.332

Minimum discharge, 29 ft^3/s (0.82 m^3/s) Sept. 16, 17, gage height, 1.29 ft (0.393 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	127	226	115	184	119	315	185	167	98	55	43
2	253	380	209	111	164	116	294	178	157	95	54	41
3	224	244	196	109	152	112	279	173	148	93	52	43
4	241	193	187	118	143	112	272	166	140	91	69	44
5	221	165	180	111	135	183	254	168	134	87	64	40
6	200	150	175	107	137	157	240	160	130	86	54	37
7	181	140	166	110	129	190	234	156	126	83	52	35
8	167	132	156	120	126	589	388	152	123	81	50	34
9	157	128	149	120	142	338	345	144	119	79	50	34
10	151	264	145	116	139	264	295	139	116	80	56	41
11	143	243	141	184	129	225	271	135	112	80	55	35
12	136	225	138	201	126	243	353	132	109	75	53	34
13	130	203	143	167	123	326	439	128	107	72	48	33
14	125	182	132	183	122	288	763	126	105	71	44	32
15	122	166	128	160	124	252	508	124	102	70	43	31
16	119	156	123	146	228	229	392	121	101	68	42	30
17	117	145	121	163	194	541	337	355	117	66	41	38
18	114	139	119	204	166	634	314	386	115	65	40	36
19	112	133	117	197	151	405	295	256	103	64	49	35
20	110	128	115	175	150	400	278	277	98	63	45	59
21	109	125	114	159	145	1020	265	255	94	62	40	42
22	107	122	113	205	142	568	251	238	93	61	38	37
23	126	132	112	228	137	431	240	371	110	69	38	35
24	108	349	140	195	132	434	231	403	180	66	42	43
25	104	733	137	179	128	372	225	348	204	66	42	107
26	101	637	120	163	125	332	227	285	181	64	38	53
27	99	377	116	152	123	307	232	246	129	67	37	42
28	98	307	112	143	121	442	213	222	114	74	36	72
29	106	271	110	136	118	440	205	209	113	61	37	122
30	179	246	118	151	---	391	193	193	105	59	56	151
31	129	---	113	233	---	345	---	177	---	57	51	---
TOTAL	4567	6942	4371	4861	4135	10805	9148	6608	3752	2273	1471	1459
MEAN	147	231	141	157	143	349	305	213	125	73.3	47.5	48.6
MAX	278	733	226	233	228	1020	763	403	204	98	69	151
MIN	98	122	110	107	118	112	193	121	93	57	36	30
CFSM	3.23	5.08	3.10	3.45	3.14	7.67	6.70	4.68	2.75	1.61	1.04	1.07
IN.	3.73	5.68	3.57	3.97	3.38	8.83	7.48	5.40	3.07	1.86	1.20	1.19

CAL YR 1979 TOTAL 79112 MEAN 217 MAX 3260 MIN 58 CFSM 4.77 IN 64.68
WTR YR 1980 TOTAL 60392 MEAN 165 MAX 1020 MIN 30 CFSM 3.63 IN 49.37

03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA.

LOCATION.--Lat 34°50'28", long 83°56'10", Union County, Hydrologic Unit 06020002, on left bank 250 ft (76 m) upstream from county road bridge, 0.1 mi (0.2 km) downstream from Arkaqua Creek, 0.2 mi (0.3 km) upstream from Akins Creek, 2.7 mi (4.3 km) southeast of Blairsville, and at mile 44.3 (71.3 km).

DRAINAGE AREA.--74.8 mi2 (194 km2).

PERIOD OF RECORD.--January 1942 to current year.

REVISED RECORDS.--WSP 1053: 1942(M), 1943. WSP 1236: 1946(M), 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 1,812.47 ft (552.441 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Occasional regulation by Lake Trahlyta in Vogel State Park.

AVERAGE DISCHARGE.--38 years, 190 ft3/s (5.38 m3/s), 34.49 in/yr (876 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,900 ft3/s (365 m3/s) Aug. 23, 1967, gage height, 21.04 ft (6.413 m), from floodmark, from rating curve extended above 3,400 ft3/s (96.3 m3/s) on basis of contracted-opening measurements at gage heights 13.29 ft (4.051 m), 16.78 ft (5.115 m), and 21.04 ft (6.413 m); minimum, 27 ft3/s (0.76 m3/s) Sept. 8, Oct. 7, 1947, gage height, 1.77 ft (0.539 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft3/s (56.6 m3/s) and maximum (*):

Date	Time	Discharge (ft3/s)	Discharge (m3/s)	Gage height (ft)	Gage height (m)
Nov. 25	2200	2020	57.2	6.43	1.960
Mar. 7	2400	2090	59.2	6.58	2.006
Mar. 17	1615	2240	63.4	6.87	2.094
Mar. 21	0330	*3740	106	9.89	2.014
Apr. 13	1845	2840	80.4	8.09	2.466

Minimum discharge, 37 ft3/s (1.05 m3/s) Sept. 16, 17, gage height, 1.92 ft (0.585 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	134	254	134	79	142	423	251	235	127	68	82
2	226	688	232	127	231	136	388	242	220	121	66	63
3	195	326	215	123	112	137	362	234	208	118	64	71
4	245	240	205	162	91	134	352	226	195	115	66	64
5	223	201	196	147	75	282	317	225	185	111	68	59
6	191	178	190	132	171	224	298	217	181	106	61	56
7	171	161	180	130	157	378	290	214	174	103	60	53
8	155	149	169	144	151	1190	505	214	166	99	56	50
9	145	144	161	144	187	558	429	200	157	97	54	48
10	144	603	156	139	191	391	365	192	152	144	55	50
11	135	388	151	246	169	313	327	207	146	119	95	49
12	129	324	148	275	161	397	559	221	142	100	70	46
13	123	274	160	223	152	561	1030	204	139	95	62	46
14	119	239	150	227	150	421	1220	166	137	91	59	45
15	116	214	141	197	154	347	723	161	132	89	57	45
16	114	196	139	180	287	304	552	156	129	86	55	45
17	112	180	133	200	246	1090	463	381	164	88	53	63
18	109	168	130	252	211	1060	420	404	148	91	52	56
19	108	158	127	245	194	636	387	345	136	82	52	48
20	106	149	125	55	194	679	359	488	129	79	51	137
21	105	143	123	65	185	1930	337	387	122	77	48	70
22	103	139	121	55	184	893	315	331	119	76	46	57
23	129	145	120	52	175	635	298	568	168	103	46	53
24	106	403	162	50	165	681	287	591	259	81	60	104
25	101	774	150	49	158	556	283	487	322	77	56	190
26	100	1020	133	50	150	471	301	383	250	79	49	93
27	97	510	128	55	146	418	349	318	182	94	47	69
28	96	387	124	53	143	708	289	296	154	96	46	154
29	109	318	121	50	138	635	276	283	152	77	52	232
30	215	278	136	63	---	556	262	291	139	73	109	302
31	137	---	128	60	---	478	---	253	---	70	120	---
TOTAL	4416	9231	4808	4084	4807	17341	12766	9136	5142	2964	1903	2500
MEAN	142	308	155	132	166	559	426	295	171	95.6	61.4	83.3
MAX	252	1020	254	275	287	1930	1220	591	322	144	120	302
MIN	96	134	120	49	75	134	262	156	119	70	46	45
CFSM	1.90	4.12	2.07	1.77	2.22	7.47	5.70	3.94	2.29	1.28	.82	1.11
IN.	2.20	4.59	2.39	2.03	2.39	8.62	6.35	4.54	2.56	1.47	.95	1.24

CAL YR 1979 TOTAL 98359 MEAN 269 MAX 4590 MIN 74 CFSM 3.60 IN 48.92
WTR YR 1980 TOTAL 79098 MEAN 216 MAX 1930 MIN 45 CFSM 2.89 IN 39.34

03558000 TOCCOA RIVER NEAR DIAL, GA.

LOCATION.—Lat 34°47'24", long 84°14'24", Fannin County, Hydrologic Unit 06020003, on right bank 1.4 mi (2.3 km) upstream from Shallowford Bridge, 1.8 mi (2.9 km) upstream from Stanley Creek, 2.5 mi (4.0 km) northwest of Dial, and at mile 69.1 (111.2 km).

DRAINAGE AREA.—177 mi^2 (458 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1912 to current year. Prior to January 1913 monthly discharges only, published in WSP 1306.

REVISED RECORDS.—WSP 823: Drainage area. WSP 1386: 1923(M), 1924, 1927(M), 1929-32(M), 1933, 1934(M), 1944(M).

GAGE.—Water-stage recorder. Datum of gage is 1,792.08 ft (546.226 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1927, water-stage recorder and Oct. 1, 1927, to Nov. 16, 1928, nonrecording gage at same site and datum.

REMARKS.—Records good.

AVERAGE DISCHARGE.—68 years, 501 ft^3/s (14.2 m^3/s), 38.44 in/yr (976 mm/yr).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 14,700 ft^3/s (416 m^3/s), Aug. 23, 1967, gage height, 13.73 ft (4.185 m), from rating curve extended above 5,000 ft^3/s (142 m^3/s) on basis of slope-area measurement at gage height 11.20 ft (3.414 m), and a contracted-opening measurement at 13.73 ft (4.185 m); minimum, 60 ft^3/s (1.70 m^3/s) Sept. 6, 1925, gage height, 0.40 ft (0.122 m).

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of November 1906 reached a stage of 18.5 ft (5.64 m) and is highest known since about 1840, from reports of Tennessee Valley Authority.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 2,400 ft^3/s (68.0 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 26	0130	3900	110	6.27	1.911
Mar. 8	0315	3420	96.9	5.82	1.774
Mar. 17	2015	4260	121	6.60	2.012
Mar. 21	0530	*5960	169	8.05	2.454
Apr. 13	2315	4350	123	6.68	2.036

Minimum daily discharge, 156 ft^3/s (4.42 m^3/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	376	669	417	580	443	1340	855	806	435	261	280
2	505	726	631	398	531	439	1260	823	762	421	255	256
3	465	547	599	387	511	431	1210	800	732	413	250	254
4	625	448	582	441	491	434	1200	786	707	401	250	227
5	568	413	569	433	472	830	1130	770	682	390	245	214
6	495	392	561	394	488	660	1070	757	662	379	236	214
7	456	378	539	395	460	811	1030	741	652	369	233	210
8	432	366	513	443	450	2720	1210	768	634	357	227	191
9	420	367	496	443	518	1370	1140	730	613	350	221	184
10	428	1420	488	424	519	996	1040	699	592	342	219	183
11	404	1010	478	543	464	821	985	684	577	349	295	180
12	396	824	471	654	453	933	1350	670	562	331	303	175
13	380	677	515	531	442	1410	1970	655	553	319	247	173
14	368	591	496	527	440	1080	2810	651	546	309	231	169
15	364	538	458	474	456	906	1740	648	527	306	223	164
16	360	507	451	449	850	816	1460	632	515	303	221	156
17	352	478	437	504	674	2340	1320	813	551	294	215	191
18	348	459	427	625	572	2380	1240	1300	540	312	211	204
19	344	443	424	587	535	1550	1190	1060	531	288	230	177
20	340	431	417	529	542	1810	1140	1340	496	282	216	241
21	336	420	409	496	529	4210	1100	1130	472	278	204	229
22	332	412	406	783	532	2210	1050	976	458	275	197	193
23	412	416	401	1010	507	1750	1010	1520	472	317	192	183
24	348	1050	492	711	485	1870	975	1730	682	301	221	198
25	328	1270	506	630	470	1660	958	1340	1120	300	242	515
26	320	2280	436	578	456	1430	1060	1130	682	305	206	311
27	312	1150	416	547	447	1350	1090	1020	543	351	194	224
28	308	910	403	518	444	2000	983	940	494	397	190	336
29	348	777	396	494	435	1810	928	936	482	294	191	576
30	610	712	424	526	---	1620	891	995	470	276	290	728
31	408	---	409	765	---	1470	---	862	---	269	279	---
TOTAL	12672	20788	14919	16656	14753	44560	36880	28761	18115	10313	7195	7536
MEAN	409	693	481	537	509	1437	1229	928	604	333	232	251
MAX	625	2280	669	1010	850	4210	2810	1730	1120	435	303	728
MIN	308	366	396	387	435	431	891	632	458	269	190	156
CFSM	2.31	3.92	2.72	3.03	2.88	8.12	6.94	5.24	3.41	1.88	1.31	1.42
IN.	2.66	4.37	3.14	3.50	3.10	9.37	7.75	6.04	3.81	2.17	1.51	1.58

CAL YR 1979 TOTAL 248957 MEAN 682 MAX 7340 MIN 240 CFSM 3.85 IN 52.32
WTR YR 1980 TOTAL 233148 MEAN 637 MAX 4210 MIN 156 CFSM 3.60 IN 49.00

03558000 TOCCOA RIVER NEAR DIAL, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
01...	1005	372	12.5	6	6.0
DEC					
06...	0950	560	6.0	6	9.1
MAR					
06...	0935	675	6.0	16	29
APR					
18...	1035	1250	10.0	25	84
MAY					
29...	0830	858	15.0	13	30
JUL					
10...	0825	340	20.0	9	8.3
AUG					
21...	0825	201	20.5	5	2.7

03566800 SOUTH CHICKAMAUGA CREEK AT GRAYSVILLE, GA.

LOCATION.--Lat 34°58'39", long 85°08'42", Catoosa County, Hydrologic Unit 06020001, at bridge on Graysville Road at Graysville, 200 ft (61 m) above dam at Swanson Mill, and 19.5 mi (31.4 km) above mouth.

DRAINAGE AREA.--198 mi2 (513 km2).

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	PH FIELD (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT 23...	1200	165	7.6	14.0	17.0	7.5
DEC 11...	1315	165	7.7	15.5	8.0	12.0
APR 22...	1325	265	7.6	27.0	18.0	9.3
JUN 05...	1145	145	7.9	29.0	23.0	7.0
JUL 29...	1435	108	7.6	29.5	22.5	6.8
SEP 24...	1100	90	7.7	27.0	22.0	7.2

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	ALKALINITY (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	242	5	.8	430	128	114	.23	<.020	.070	<1.0
DEC 11...	225	10	.3	--	108	98	.48	<.020	.030	<1.0
APR 22...	170	7	.6	95	86	74	.37	.040	<.020	<1.0
JUN 05...	220	6	.6	70	--	103	.49	.050	<.020	1.0
JUL 29...	116	100	1.2	840	86	77	.54	.020	--	4.0
SEP 24...	248	8	.6	120	--	116	.37	.030	.100	1.0

03567125 MUD CREEK AT CEDAR GROVE, GA.

LOCATION.--Lat 34°42'24", long 85°25'01", Walker County, Hydrologic Unit 06020001, at bridge on county road 0.9 mi (1.4 km) southeast of Cedar Grove.
DRAINAGE AREA.--22.2 mi^2 (57.5 km2).
PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 13...	1445	82	168	7.8	13.5	9.8
FEB 12...	1645	62	180	7.6	9.0	11.0
MAY 21...	1630	125	138	7.8	17.5	8.7
AUG 20...	1530	3.7	230	8.1	27.0	8.4

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV 13...	--	--	--	--	--	--	76	2.5	--	--	--
FEB 12...	--	--	--	--	--	--	79	4.2	--	--	--
MAY 21...	68	4	24	1.9	1.1	.7	64	4.8	1.8	.1	5.9
AUG 20...	--	--	--	--	--	--	110	5.6	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)
NOV 13...	135	--	--	16	3.5	--	--	--	--	--
FEB 12...	99	--	--	7	1.2	--	--	--	--	--
MAY 21...	86	81	.45	20	6.7	220	0	0	4	110
AUG 20...	141	--	--	--	--	--	--	--	--	--

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 13...	420	390	30	--	30	10	20	--	--	--
FEB 12...	220	170	50	--	40	10	30	--	--	--
MAY 21...	590	--	--	4	40	--	--	.2	0	10
AUG 20...	480	470	10	--	80	30	50	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
AUG 20...	0	790	0	<10	<10	<10	<10	3300	<10	550	.00	6

03567200 WEST CHICKAMAUGA CREEK NEAR KENSINGTON, GA.

LOCATION.—Lat 34°48'10", long 85°20'52", Walker County, Hydrologic Unit 06020001, at bridge on State Route 143, 2.5 mi (4.0 km) north of Kensington.
DRAINAGE AREA.—73.0 mi2 (189 km2).
PERIOD OF RECORD.—April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 23...	1230	42	260	7.4	17.5	7.7
NOV 13...	1630	236	175	7.7	13.0	9.9
DEC 12...	1230	49	225	7.4	10.0	9.2
JAN 15...	1400	136	210	7.6	10.5	11.1
FEB 13...	1400	150	206	7.6	7.0	11.7
MAR 11...	1245	287	150	7.4	11.5	10.5
APR 03...	1430	192	166	7.8	15.0	9.6
MAY 21...	1400	372	146	7.8	16.0	9.1
JUN 18...	1345	32	238	7.5	21.5	7.2
JUL 15...	1330	15	235	8.3	26.0	9.0
AUG 20...	1400	15	264	7.4	25.0	8.1
SEP 09...	1030	13	230	7.7	23.5	7.2

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 23...	--	--	.0	.0	--	--	--	--	120	11	--
NOV 13...	--	--	.0	.0	--	--	--	--	84	6.3	--
DEC 12...	--	--	.0	.0	--	--	--	--	110	8.3	--
JAN 15...	--	--	.0	.0	--	--	--	--	99	9.5	--
FEB 13...	--	--	.0	.0	--	--	--	--	94	7.4	--
MAR 11...	--	--	--	--	--	--	--	--	67	6.5	--
APR 03...	--	--	--	--	--	--	--	--	77	5.8	--
MAY 21...	73	6	--	--	25	2.5	1.4	.7	67	6.0	1.8
JUN 18...	--	--	--	--	--	--	--	--	110	11	--
JUL 15...	--	--	--	--	--	--	--	--	130	4.1	--
AUG 20...	--	--	--	--	--	--	--	--	110	20	--
SEP 09...	--	--	--	--	--	--	--	--	120	12	--

03567200 WEST CHICKAMAUGA CREEK NEAR KENSINGTON, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT											
23...	--	--	141	--	--	2	.23	--	--	--	--
NOV											
13...	--	--	103	--	--	15	9.6	--	--	--	--
DEC											
12...	--	--	135	--	--	3	.40	--	--	--	--
JAN											
15...	--	--	121	--	--	8	2.9	--	--	--	--
FEB											
13...	--	--	116	--	--	7	2.8	--	--	--	--
MAR											
11...	--	--	88	--	--	93	72	--	--	--	--
APR											
03...	--	--	105	--	--	14	7.3	--	--	--	--
MAY											
21...	.1	5.7	91	85	.34	32	32	260	1	0	2
JUN											
18...	--	--	141	--	--	6	.52	--	--	--	--
JUL											
15...	--	--	136	--	--	31	1.3	--	--	--	--
AUG											
20...	--	--	155	--	--	16	.65	--	--	--	--
SEP											
09...	--	--	155	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT											
23...	--	300	--	80	--	40	10	30	--	--	--
NOV											
13...	--	420	390	30	--	40	20	20	--	--	--
DEC											
12...	--	250	220	30	--	40	0	40	--	--	--
JAN											
15...	--	280	250	30	--	40	10	30	--	--	--
FEB											
13...	--	260	230	30	--	40	10	30	--	--	--
MAR											
11...	--	650	600	50	--	50	30	20	--	--	--
APR											
03...	--	400	360	40	--	40	20	20	--	--	--
MAY											
21...	2	590	--	--	4	60	--	--	.2	0	10
JUN											
18...	--	350	330	20	--	30	10	20	--	--	--
JUL											
15...	--	430	380	50	--	50	20	30	--	--	--
AUG											
20...	--	580	--	--	--	90	50	40	--	--	--
SEP											
09...	--	220	170	50	--	80	30	50	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY												
21...	0	1900	0	<10	30	<10	<10	9600	<10	510	.00	14

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.

LOCATION.--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at Dyer Bridge on Cloud Springs Road, 3 mi (4.8 km) southeast of Lakeview.

DRAINAGE AREA.--148 mi^2 (383 km^2).

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
23...	1230	95	7.9	15.0	17.0	5.3
NOV						
27...	1345	500	7.6	19.5	14.0	8.5
DEC						
11...	1345	90	7.7	15.0	9.0	10.4
JAN						
30...	1020	185	7.6	-2.0	1.0	10.0
MAR						
13...	1150	1800	7.7	7.0	8.0	11.4
APR						
22...	1415	392	7.6	26.0	17.0	8.4
MAY						
28...	0845	314	7.7	20.5	18.5	7.8
JUN						
24...	1200	86	7.6	22.0	21.5	5.4
JUL						
29...	1515	68	7.7	30.0	23.0	5.7
AUG						
26...	1245	63	7.5	28.0	25.0	4.5
SEP						
24...	1130	60	7.5	27.0	22.5	5.0

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TUR-BID-ITY (JTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)
OCT						
23...	279	9	14	1.2	230	134
NOV						
27...	236	25	13	.8	3100	110
DEC						
11...	261	13	--	.6	1500	122
JAN						
30...	239	8	8	1.2	430	132
MAR						
13...	174	72	16	1.9	2300	80
APR						
22...	217	11	<5	.8	90	102
MAY						
28...	198	19	7	.2	4300	108
JUN						
24...	260	10	8	1.0	430	114
JUL						
29...	155	20	--	.7	230	116
AUG						
26...	270	13	--	1.9	930	114
SEP						
24...	262	11	--	1.1	--	120

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKALINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
23...	132	10	.48	<.020	.29	.230	2.0
NOV							
27...	99	12	.56	.040	.40	.120	<1.0
DEC							
11...	119	3	.75	.160	.20	.190	<1.0
JAN							
30...	113	7	.68	.040	.70	.160	1.0
MAR							
13...	74	95	.42	.110	.60	.170	5.0
APR							
22...	99	13	.57	.050	.10	.050	<1.0
MAY							
28...	90	26	.70	.040	.40	.090	2.5
JUN							
24...	119	19	.75	.060	.40	.310	2.0
JUL							
29...	122	12	.52	<.020	--	.180	3.0
AUG							
26...	124	21	.47	.060	--	.990	3.0
SEP							
24...	127	40	.53	.050	--	.650	3.0

03568250 CHATTANOOGA CREEK AT HIGH POINT, GA.

LOCATION.--Lat 34°51'51", long 85°21'54", Walker County, Hydrologic Unit 06020001, at bridge on county road 0.1 mi (0.2 km) east of High Point.
DRAINAGE AREA.--5.5 mi2 (14.2 km2).
PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
14...	1315	18	210	7.7	13.0	9.8
FEB						
13...	1245	13	232	7.8	8.0	10.9
MAY						
21...	1230	28	184	7.9	16.5	8.8
AUG						
20...	1230	1.4	268	8.1	23.0	9.4

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV											
14...	--	--	--	--	--	--	110	4.6	--	--	--
FEB											
13...	--	--	--	--	--	--	110	5.3	--	--	--
MAY											
21...	96	2	34	2.7	1.2	.6	94	4.9	1.4	.1	5.9
AUG											
20...	--	--	--	--	--	--	100	5.4	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)
NOV										
14...	122	--	--	14	.68	--	--	--	--	--
FEB										
13...	136	--	--	4	.14	--	--	--	--	--
MAY										
21...	115	108	.26	16	1.2	10	0	0	3	2
AUG										
20...	167	--	--	--	--	--	--	--	--	--

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV										
14...	250	240	10	--	30	10	20	--	--	--
FEB										
13...	140	120	20	--	20	0	20	--	--	--
MAY										
21...	630	--	--	0	40	--	--	.2	0	10
AUG										
20...	370	370	0	--	30	10	20	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY												
21...	0	730	0	<10	10	<10	<10	3400	<10	560	.00	7

03568300 CHATTANOOGA CREEK AT STATE ROUTE 341, NEAR FLINTSTONE, GA.

LOCATION.--Lat 34°55'27", long 85°20'44", Walker County, Hydrologic Unit 06020001, at bridge on State Route 341, 1.5 mi (2.4 km) south of Flintstone.
DRAINAGE AREA.--18.9 mi2 (49.0 km2).
PERIOD OF RECORD.--August 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
14...	1130	45	192	7.8	10.5	10.2
FEB						
13...	1130	29	217	7.7	5.0	12.5
MAY						
21...	1045	70	170	7.9	15.5	9.1
AUG						
20...	1045	3.9	232	7.8	24.0	6.5

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV											
14...	--	--	--	--	--	--	8	5.9	--	--	--
FEB											
13...	--	--	--	--	--	--	100	5.8	--	--	--
MAY											
21...	87	4	30	3.0	1.2	.6	83	6.3	1.6	.1	6.1
AUG											
20...	--	--	--	--	--	--	120	4.7	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)
NOV										
14...	107	--	--	12	1.5	--	--	--	--	--
FEB										
13...	125	--	--	4	.31	--	--	--	--	--
MAY										
21...	105	100	.30	24	4.5	70	0	0	5	1
AUG										
20...	126	--	--	--	--	--	--	--	--	--

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV										
14...	290	240	50	--	20	0	20	--	--	--
FEB										
13...	250	230	20	--	40	0	40	--	--	--
MAY										
21...	580	--	--	1	50	--	--	.2	0	10
AUG										
20...	220	210	10	--	50	10	40	--	--	--

03568306 ROCK CREEK AT DURHAM, GA.

LOCATION.—Lat 34°51'37", long 85°25'59", Walker County, Hydrologic Unit 06020001, below State Route 170 at Durham, and 1.5 mi (2.4 km) west of Thompsonville.

DRAINAGE AREA.—0.80 mi^2 (2.07 km^2).

PERIOD OF RECORD.—April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
15...	1615	13	260	7.1	13.0	9.5
FEB						
14...	1700	4.2	295	6.6	11.5	10.4
MAY						
22...	1400	8.6	258	7.0	14.0	9.5
AUG						
21...	1230	.70	358	6.6	18.5	9.4

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV											
15...	--	--	.0	.0	--	--	--	--	18	100	--
FEB											
14...	--	--	--	--	--	--	--	--	17	110	--
MAY											
22...	110	92	--	--	21	14	2.7	1.5	18	100	.7
AUG											
21...	--	--	--	--	--	--	--	--	15	160	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV											
15...	--	--	208	--	--	1	.04	--	--	--	--
FEB											
14...	--	--	192	--	--	1	.01	--	--	--	--
MAY											
22...	.1	10	186	161	.14	30	.70	120	1	0	4
AUG											
21...	--	--	261	--	--	6	.01	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV											
15...	--	100	60	40	--	170	0	170	--	--	--
FEB											
14...	--	90	80	10	--	250	0	250	--	--	--
MAY											
22...	6	360	--	--	4	240	--	--	.1	1	80
AUG											
21...	--	160	50	110	--	500	0	500	--	--	--

03568310 ROCK CREEK NEAR HINKLE, GA.

LOCATION.—Lat 34°53'29", long 85°24'41", Walker County, Hydrologic Unit 06020001, at bridge on Nickajack Road 1.2 mi (1.9 km) south of Hinkle.
DRAINAGE AREA.—7.40 mi^2 (19.2 km^2).
PERIOD OF RECORD.—August 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 14...	1515	34	141	7.1	11.5	9.9
FEB 13...	1645	14	120	6.6	6.0	11.5
MAY 22...	1500	43	86	6.7	14.5	9.7
AUG 21...	1300	1.3	277	6.8	23.0	8.2

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 14...	--	--	.0	.0	--	--	--	--	11	49	--
FEB 13...	--	--	--	--	--	--	--	--	7	42	--
MAY 22...	33	27	--	--	6.6	4.0	1.3	.8	6	30	.8
AUG 21...	--	--	--	--	--	--	--	--	12	110	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV 14...	--	--	82	--	--	7	.64	--	--	--	--
FEB 13...	--	--	79	--	--	1	.04	--	--	--	--
MAY 22...	.1	6.1	63	54	.08	18	2.1	150	0	0	5
AUG 21...	--	--	200	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 14...	--	110	110	0	--	70	0	70	--	--	--
FEB 13...	--	100	90	10	--	90	0	100	--	--	--
MAY 22...	2	410	--	--	3	70	--	--	.1	0	30
AUG 21...	--	440	420	20	--	320	0	330	--	--	--

03568320 LONG BRANCH NEAR HINKLE, GA.

LOCATION.—Lat 34°53'51", long 85°23'36", Walker County, Hydrologic Unit 06020001, at culvert on Nickajack Road, 0.6 mi (1.0 km) upstream of Rock Creek, and 1.2 mi (1.9 km) south of Hinkle.
DRAINAGE AREA.—3.73 mi^2 (9.66 km^2).
PERIOD OF RECORD.—April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 14...	1415	13	14	6.4	10.5	10.2
FEB 13...	1545	5.2	16	6.1	4.0	12.4
MAY 22...	1600	19	17	6.7	14.0	9.8
AUG 21...	1415	.06	63	7.3	26.5	9.2

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 14...	--	--	.0	.0	--	--	--	--	3	5.3	--
FEB 13...	--	--	--	--	--	--	--	--	6	4.8	--
MAY 22...	6	3	--	--	1.3	.6	.6	.4	3	5.0	.9
AUG 21...	--	--	--	--	--	--	--	--	20	7.6	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV 14...	--	--	20	--	--	6	.21	--	--	--	--
FEB 13...	--	--	19	--	--	1	.01	--	--	--	--
MAY 22...	.0	4.4	17	15	.05	9	.46	140	0	0	5
AUG 21...	--	--	46	--	--	2	.00	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 14...	--	60	40	20	--	10	0	20	--	--	--
FEB 13...	--	60	60	0	--	10	0	10	--	--	--
MAY 22...	1	260	--	--	1	20	--	--	<.1	0	10
AUG 21...	--	90	70	20	--	20	0	20	--	--	--

03568360 ROCK CREEK NEAR FLINTSTONE, GA.

LOCATION.—Lat 34°56'33", long 85°21'25", Walker County, Hydrologic Unit 06020001, adjacent to county road 1.0 mi (1.6 km) west of Flintstone.
DRAINAGE AREA.—22.2 mi² (57.5 km²).
PERIOD OF RECORD.—August 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
NOV 14...	0945	126	77	6.7	9.0	11.1
FEB 13...	1000	34	71	6.6	1.0	13.6
MAY 21...	0900	164	48	6.9	14.5	9.8
AUG 20...	0930	3.8	273	7.5	24.0	9.1

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 14...	--	--	.0	.0	--	--	--	--	12	22	--
FEB 13...	--	--	--	--	--	--	--	--	14	22	--
MAY 21...	15	10	--	--	3.4	1.5	.9	.5	5	12	1.0
AUG 20...	--	--	--	--	--	--	--	--	22	100	--

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 14...	--	--	59	--	--	9	3.1	--	--	--	--
FEB 13...	--	--	44	--	--	1	.09	--	--	--	--
MAY 21...	.0	5.0	32	28	.09	10	4.4	60	0	0	5
AUG 20...	--	--	198	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV 14...	--	120	90	30	--	30	0	30	--	--	--
FEB 13...	--	80	80	0	--	10	0	20	--	--	--
MAY 21...	2	270	--	--	5	30	--	--	<.1	0	10
AUG 20...	--	880	870	10	--	20	10	10	--	--	--

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ALUMINUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
MAY 21...	0	1300	0	<10	<10	<10	<10	3600	<10	90	.01	10

03568500 CHATTANOOGA CREEK NEAR FLINTSTONE, GA.

LOCATION.--Lat 34°58'20", long 85°19'40", Walker County, Hydrologic Unit 06020001, at bridge on Burnt Mill Road, 0.7 mi (1.1 km) from Georgia-Tennessee State Line, and 2.3 mi (3.7 km) north of Flintstone.
DRAINAGE AREA.--50.6 mi^2 (131 km^2).
PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YE/R OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
23...	1330	49	183	7.1	16.0	7.4
NOV						
14...	0830	219	125	7.4	10.5	9.6
DEC						
12...	1600	40	158	7.6	10.0	9.2
JAN						
15...	1730	117	13[illegible]	7.4	9.5	11.2
FEB						
13...	0830	96	146	7.3	4.0	11.8
MAR						
11...	0930	298	107	7.5	10.5	10.1
APR						
03...	1130	167	127	7.6	13.5	9.3
MAY						
21...	0730	271	105	7.5	16.0	8.2
JUN						
19...	0830	22	206	7.4	20.0	5.8
JUL						
16...	0830	10	222	8.3	24.5	4.9
AUG						
20...	0730	11	230	7.6	22.5	6.1
SEP						
09...	1600	11	210	7.5	20.0	4.6

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT											
23...	--	--	.0	.0	--	--	--	--	60	22	--
NOV											
14...	--	--	.0	.0	--	--	--	--	38	16	--
DEC											
12...	--	--	.0	.0	--	--	--	--	57	16	--
JAN											
15...	--	--	.0	.0	--	--	--	--	46	14	--
FEB											
13...	--	--	--	--	--	--	--	--	56	13	--
MAR											
11...	--	--	--	--	--	--	--	--	34	14	--
APR											
03...	--	--	--	--	--	--	--	--	40	16	--
MAY											
21...	47	12	--	--	15	2.2	1.5	.7	35	10	1.8
JUN											
19...	--	--	--	--	--	--	--	--	81	19	--
JUL											
16...	--	--	--	--	--	--	--	--	110	9.9	--
AUG											
20...	--	--	--	--	--	--	--	--	89	25	--
SEP											
09...	--	--	--	--	--	--	--	--	92	14	--

03568500 CHATTANOOGA CREEK NEAR FLINTSTONE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT 23...	--	--	103	--	--	7	.93	--	--	--	--
NOV 14...	--	--	76	--	--	28	17	--	--	--	--
DEC 12...	--	--	97	--	--	3	.32	--	--	--	--
JAN 15...	--	--	79	--	--	5	1.6	--	--	--	--
FEB 13...	--	--	94	--	--	4	1.0	--	--	--	--
MAR 11...	--	--	64	--	--	30	24	--	--	--	--
APR 03...	--	--	81	--	--	15	6.8	--	--	--	--
MAY 21...	.0	5.3	66	58	.19	35	26	240	0	0	4
JUN 19...	--	--	135	--	--	15	.89	--	--	--	--
JUL 16...	--	--	145	--	--	15	.40	--	--	--	--
AUG 20...	--	--	146	--	--	--	--	--	--	--	--
SEP 09...	--	--	137	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
OCT 23...	--	340	--	90	--	50	0	50	--	--	--
NOV 14...	--	230	190	40	--	40	0	40	--	--	--
DEC 12...	--	260	200	60	--	60	0	60	--	--	--
JAN 15...	--	230	210	20	--	50	10	40	--	--	--
FEB 13...	--	230	200	30	--	50	0	50	--	--	--
MAR 11...	--	390	350	40	--	50	20	30	--	--	--
APR 03...	--	410	360	50	--	60	10	50	--	--	--
MAY 21...	2	620	--	--	6	70	--	--	.2	0	10
JUN 19...	--	760	710	50	--	80	20	60	--	--	--
JUL 16...	--	470	430	40	--	100	20	80	--	--	--
AUG 20...	--	720	720	0	--	120	60	60	--	--	--
SEP 09...	--	1300	1200	80	--	150	30	120	--	--	--

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ALUMINUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
AUG 20...	0	540	0	<10	40	<10	<10	1700	<10	200	.00	30

03568745 LOOKOUT CREEK AT SULPHUR SPRINGS, GA.

LOCATION.—Lat 34°41'32", long 85°32'14", Dade County, Hydrologic Unit 06020001, at bridge on county road, 0.4 mi (0.6 km) northeast of Sulphur Springs and 1.5 mi (2.4 km) downstream of confluence of East Fork Lookout Creek and West Fork Lookout Creek.

DRAINAGE AREA.—16.3 mi^2 (42.2 km^2).

PERIOD OF RECORD.—April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
16...	1015	32	192	7.9	9.5	10.7
FEB						
15...	1015	31	176	7.8	8.0	11.6
MAY						
24...	0945	132	146	7.7	16.5	8.5
AUG						
19...	1430	6.7	213	7.8	26.0	9.2

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV											
16...	--	--	.0	.0	--	--	--	--	90	2.5	--
FEB											
15...	--	--	--	--	--	--	--	--	89	3.2	--
MAY											
24...	71	7	--	--	24	2.6	1.1	.8	64	5.7	1.9
AUG											
19...	--	--	--	--	--	--	--	--	110	2.8	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV											
16...	--	--	143	--	--	6	.52	--	--	--	--
FEB											
15...	--	--	--	--	--	5	.42	--	--	--	--
MAY											
24...	.1	6.1	93	82	.18	99	35	430	1	0	5
AUG											
19...	--	--	127	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV											
16...	--	230	200	30	--	20	0	20	--	--	--
FEB											
15...	--	200	200	0	--	20	0	20	--	--	--
MAY											
24...	3	1900	--	--	2	150	--	--	<.1	0	20
AUG											
19...	--	380	380	0	--	30	10	20	--	--	--

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY											
24...	0	850	0	<10	<10	<10	5100	<10	260	.00	11

03568785 LOOKOUT CREEK AT RISING FAWN, GA.

LOCATION.—Lat 34°45'51", long 85°31'37", Dade County, Hydrologic Unit 06020001, at bridge on State Route 189, 0.4 mi (0.6 km) east of Rising Fawn.
DRAINAGE AREA.—68.7 mi2 (176 km2).
PERIOD OF RECORD.—May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 16...	0930	168	172	7.8	10.5	10.0
FEB 15...	0900	127	170	7.4	8.5	11.0
MAY 23...	0730	465	129	7.7	16.0	8.6
AUG 19...	1630	23	215	8.0	24.0	8.0

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 16...	--	--	.0	.0	--	--	--	--	81	4.0	--
FEB 15...	--	--	--	--	--	--	--	--	87	4.5	--
MAY 23...	62	5	--	--	21	2.4	.9	.7	57	4.8	1.3
AUG 19...	--	--	--	--	--	--	--	--	110	3.9	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV 16...	--	--	108	--	--	5	2.3	--	--	--	--
FEB 15...	--	--	101	--	--	7	2.4	--	--	--	--
MAY 23...	.1	5.0	79	71	.13	66	83	300	0	0	5
AUG 19...	--	--	129	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 16...	--	390	360	30	--	20	0	20	--	--	--
FEB 15...	--	170	170	0	--	30	10	20	--	--	--
MAY 23...	1	1200	--	--	0	100	--	--	.1	0	10
AUG 19...	--	820	820	0	--	70	40	30	--	--	--

03568840 DANIEL CREEK NEAR TRENTON, GA.

LOCATION.--Lat 34°48'58", long 85°29'29", Dade County, Hydrologic Unit 06020001, at culvert on State Route 143, 4.8 mi (7.7 km) south of Trenton.

DRAINAGE AREA.--4.8 mi2 (12.4 km2).

PERIOD OF RECORD.--August 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
15...	1400	17	21	6.4	10.0	10.3
FEB						
14...	1415	8.5	21	6.5	5.0	12.3
MAY						
22...	1130	13	22	6.5	16.0	8.4
AUG						
21...	0930	.07	50	7.2	21.0	7.6

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV											
15...	--	--	.0	.0	--	--	--	--	97	5.5	--
FEB											
14...	--	--	--	--	--	--	--	--	3	5.7	--
MAY											
22...	8	1	--	--	2.3	.6	.7	.6	7	5.3	1.2
AUG											
21...	--	--	--	--	--	--	--	--	19	2.9	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV											
15...	--	--	22	--	--	1	.05	--	--	--	--
FEB											
14...	--	--	22	--	--	1	.02	--	--	--	--
MAY											
22...	.0	3.3	20	19	.11	5	.18	200	0	0	4
AUG											
21...	--	--	38	--	--	3	.00	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV											
15...	--	120	70	50	--	50	0	50	--	--	--
FEB											
14...	--	80	70	10	--	30	0	30	--	--	--
MAY											
22...	2	260	--	--	0	40	--	--	.1	0	10
AUG											
21...	--	380	260	120	--	40	10	30	--	--	--

03568860 BEAR CREEK NEAR DURHAM, GA.

LOCATION.—Lat 34°49'41", long 85°27'33", Dade County, Hydrologic Unit 06020001, at culvert on State Route !57, 4.2 mi (6.8 km) southwest of Durham.
DRAINAGE AREA.—7.98 mi2 (20.7 km2).
PERIOD OF RECORD.—August 1976, April 1977, April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV 15...	1530	21	18	6.4	9.0	10.7
FEB 14...	1530	12	20	6.6	4.5	13.0
MAY 22...	1300	35	20	6.3	15.0	9.4
AUG 21...	1100	1.4	32	6.6	23.0	9.0

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 15...	--	--	.0	.0	--	--	--	--	2	4.9	--
FEB 14...	--	--	--	--	--	--	--	--	1	4.8	--
MAY 22...	6	1	--	--	1.9	.4	.5	.5	5	5.1	.9
AUG 21...	--	--	--	--	--	--	--	--	7	5.8	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV 15...	--	--	18	--	--	2	.11	--	--	--	--
FEB 14...	--	--	20	--	--	1	.03	--	--	--	--
MAY 22...	.0	2.9	18	15	.05	4	.38	70	1	0	3
AUG 21...	--	--	29	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV 15...	--	290	260	30	--	20	10	10	--	--	--
FEB 14...	--	90	90	0	--	10	0	10	--	--	--
MAY 22...	2	540	--	--	3	60	--	--	.1	0	10
AUG 21...	--	1100	460	640	--	20	0	20	--	--	--

03568920 SQUIRREL TOWN CREEK NEAR NEW ENGLAND, GA.

LOCATION.--Lat 34°55'51", long 85°29'15", Dade County, Hydrologic Unit 06020001, at bridge on Slygo Cove Road, 1.3 mi (2.1 km) north of New England.
DRAINAGE AREA.--3.80 mi^2 (9.84 km^2).
PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
15...	1000	9.2	157	7.6	11.5	10.4
FEB						
14...	1030	4.2	195	7.7	10.0	11.1
MAY						
22...	0800	2.2	163	7.6	13.5	9.7

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV											
15...	--	--	.0	.0	--	--	--	--	81	4.8	--
FEB											
14...	--	--	--	--	--	--	--	--	93	6.4	--
MAY											
22...	82	2	--	--	29	2.4	1.2	.5	80	7.1	1.3

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV											
15...	--	--	105	--	--	2	.05	--	--	--	--
FEB											
14...	--	--	109	--	--	4	.05	--	--	--	--
MAY											
22...	.1	6.1	99	96	.05	--	--	80	0	0	4

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV											
15...	--	180	170	10	--	10	0	10	--	--	--
FEB											
14...	--	140	130	10	--	10	0	10	--	--	--
MAY											
22...	4	210	--	--	1	10	--	--	<.1	0	10

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.

LOCATION.--Lat 34°53'51", long 85°27'47", Dade County, Hydrologic Unit 06020001, at bridge on county road, 0.5 mi (0.8 km) downstream of Squirrel Town Creek, 2.2 mi (3.5 km) southeast of New England, and at mile 16.3 (26.2 km).
DRAINAGE AREA.--149 mi2 (386 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1979 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 670 ft (204 m), from topographic map.
REMARKS.--Records good except for period of no gage-height record, Feb. 1-14, which are fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,900 ft3/s (422 m3/s) Mar. 21, 1980, gage height, 18.21 ft (5.550 m); minimum daily discharge, 23 ft3/s (0.65 m3/s) Aug. 28, 29, Sept. 8, 9, 1980.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft3/s (85.0 m3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 10	0815	5800	164	14.72	4.487
Mar. 8	1530	4500	127	14.00	4.267
Mar. 17	1745	7910	224	15.79	4.813
Mar. 21	0230	*14900	422	18.21	5.550
Apr. 14	0745	4060	115	13.71	4.179

Minimum daily discharge, 23 ft3/s (0.65 m3/s) Aug. 28, 29, Sept. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	62
2											---	756
3											---	265
4											---	215
5											---	155
6											---	124
7											---	108
8											---	96
9											---	85
10											---	77
11											---	71
12											---	67
13											---	76
14											---	129
15											---	103
16											---	89
17											---	80
18											---	79
19											---	78
20											---	74
21											---	91
22											---	186
23											---	176
24											---	141
25											---	119
26											---	104
27											---	920
28											---	3110
29											---	1100
30											78	592
31											65	---
TOTAL											---	9328
MEAN											---	311
MAX											---	3110
MIN											---	62
CFSM											---	2.09
IN.											---	2.33

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	431	124	260	172	520	137	602	292	171	49	31	26
2	340	1160	222	175	380	133	521	254	148	47	30	24
3	262	766	192	166	350	120	463	223	131	45	29	46
4	239	489	175	340	310	118	423	199	118	44	31	34
5	226	378	164	390	280	360	364	180	109	43	37	27
6	180	307	159	327	260	382	324	167	102	42	32	26
7	149	251	148	328	240	802	289	170	97	45	29	24
8	126	212	133	448	340	4040	292	189	92	44	29	23
9	111	641	121	379	420	1820	305	156	86	41	29	23
10	113	5040	115	348	680	883	248	137	83	39	28	24
11	107	2040	112	347	500	640	221	127	79	39	28	26
12	97	883	108	399	400	651	823	118	75	37	36	28
13	89	633	113	355	330	1410	2080	111	72	36	31	29
14	89	507	122	337	288	992	3200	106	69	35	26	29
15	76	420	112	303	289	682	1180	104	67	35	25	29
16	72	357	106	272	539	567	756	101	65	34	25	29
17	69	297	102	282	511	3910	593	411	71	33	25	32
18	66	260	98	335	432	5250	507	534	67	39	47	31
19	65	224	97	333	384	1670	437	332	63	39	46	31
20	63	191	95	302	356	5820	381	483	60	34	35	33
21	61	169	92	282	321	10800	335	458	58	33	30	32
22	60	153	90	555	287	2870	293	387	56	34	28	31
23	85	173	90	981	253	1290	255	820	57	39	26	31
24	77	539	111	641	222	1450	230	916	60	38	26	30
25	70	460	179	530	200	1100	218	656	61	34	25	41
26	65	584	153	444	182	809	402	495	57	36	24	53
27	63	479	140	379	169	660	416	390	53	47	24	43
28	61	414	132	324	159	1750	379	305	51	47	23	41
29	63	351	126	278	146	1570	380	282	54	42	23	69
30	120	300	146	313	---	975	336	264	54	35	25	143
31	111	---	181	809	---	741	---	203	---	33	24	---
TOTAL	3806	18802	4194	11874	9748	54402	17253	9570	2386	1218	907	1088
MEAN	123	627	135	383	336	1755	575	309	79.5	39.3	29.3	36.3
MAX	431	5040	260	981	680	10800	3200	916	171	49	47	143
MIN	60	124	90	166	146	118	218	101	51	33	23	23
CFSM	.83	4.21	.91	2.57	2.26	11.8	3.86	2.07	.53	.26	.20	.24
IN.	.95	4.69	1.05	2.96	2.43	13.58	4.31	2.39	.60	.30	.23	.27

WTR YR 1980 TOTAL 135248 MEAN 370 MAX 10800 MIN 23 CFSM 2.48 IN 33.77

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT						
24...	0800	82	225	7.5	14.0	7.6
NOV						
02...	1230	1370	--	--	--	--
02...	1345	1380	--	--	--	--
15...	1130	421	162	7.4	10.5	10.5
DEC						
12...	1400	106	200	7.8	10.0	9.0
JAN						
15...	1515	298	180	7.6	10.0	11.1
FEB						
14...	1215	285	191	7.6	6.5	12.5
MAR						
08...	1925	4260	--	--	--	--
09...	1145	1610	--	--	--	--
11...	1400	619	140	7.4	12.0	10.6
21...	1700	9550	--	--	--	--
22...	0100	5490	--	--	--	--
22...	1130	2490	--	--	--	--
APR						
03...	1245	458	144	7.8	14.5	10.4
MAY						
22...	0900	347	145	7.5	16.0	9.1
JUN						
18...	1600	66	218	7.6	21.5	6.7
JUL						
15...	1545	34	240	8.3	27.5	9.2
AUG						
21...	0815	30	242	7.9	24.5	6.3
SEP						
09...	1230	22	210	7.6	23.5	6.6

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT											
24...	--	--	.0	.0	--	--	--	--	100	5.7	--
NOV											
02...	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	.0	.0	--	--	--	--	70	4.4	--
DEC											
12...	--	--	.0	.0	--	--	--	--	97	4.7	--
JAN											
15...	--	--	.0	.0	--	--	--	--	88	7.8	--
FEB											
14...	--	--	--	--	--	--	--	--	92	6.0	--
MAR											
08...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	66	6.5	--
21...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	--	--	--	--	--	--	--	74	5.9	--
MAY											
22...	73	1	--	--	25	2.6	1.1	.6	72	6.8	1.7
JUN											
18...	--	--	--	--	--	--	--	--	110	5.3	--
JUL											
15...	--	--	--	--	--	--	--	--	130	5.8	--
AUG											
21...	--	--	--	--	--	--	--	--	120	6.9	--
SEP											
09...	--	--	--	--	--	--	--	--	110	5.8	--

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT											
24...	--	--	121	--	--	1	.22	--	--	--	--
NOV											
02...	--	--	--	--	--	87	322	--	--	--	--
02...	--	--	--	--	--	85	317	--	--	--	--
15...	--	--	119	--	--	14	16	--	--	--	--
DEC											
12...	--	--	117	--	--	4	1.1	--	--	--	--
JAN											
15...	--	--	108	--	--	5	4.0	--	--	--	--
FEB											
14...	--	--	111	--	--	1	.77	--	--	--	--
MAR											
08...	--	--	--	--	--	104	1200	--	--	--	--
09...	--	--	--	--	--	90	391	--	--	--	--
11...	--	--	84	--	--	31	52	--	--	--	--
21...	--	--	--	--	--	134	3460	--	--	--	--
22...	--	--	--	--	--	71	1050	--	--	--	--
22...	--	--	--	--	--	58	390	--	--	--	--
APR											
03...	--	--	89	--	--	13	16	--	--	--	--
MAY											
22...	.1	5.2	89	87	.17	17	16	70	0	0	4
JUN											
18...	--	--	132	--	--	7	1.2	--	--	--	--
JUL											
15...	--	--	155	--	--	14	1.3	--	--	--	--
AUG											
21...	--	--	133	--	--	17	1.4	--	--	--	--
SEP											
09...	--	--	140	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
OCT											
24...	--	240	--	60	--	30	0	30	--	--	--
NOV											
02...	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--
15...	--	260	230	30	--	40	10	30	--	--	--
DEC											
12...	--	170	160	10	--	30	0	30	--	--	--
JAN											
15...	--	120	120	0	--	30	20	10	--	--	--
FEB											
14...	--	170	150	20	--	20	0	20	--	--	--
MAR											
08...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
11...	--	480	440	40	--	40	30	10	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	310	280	30	--	40	20	20	--	--	--
MAY											
22...	2	400	--	--	1	50	--	--	<.1	0	20
JUN											
18...	--	320	300	20	--	30	0	30	--	--	--
JUL											
15...	--	350	350	0	--	40	10	30	--	--	--
AUG											
21...	--	370	370	0	--	90	50	40	--	--	--
SEP											
09...	--	440	400	40	--	70	30	40	--	--	--

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ALUMINUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
MAY 22...	0	1900	0	<10	<10	<10	<10	5800	<10	350	.01	31

03570504 COLE CITY CREEK NEAR SOUTH PITTSBURG, TENN.

LOCATION.--Lat 34°59'11", long 85°35'52", Marion County, Hydrologic Unit 06020001, at bridge on county road, 0.2 mi (0.3 km) from Tennessee-Georgia State Line and 6.6 mi (10.6 km) east of South Pittsburg.
DRAINAGE AREA.--25.6 mi^2 (66.3 km^2).
PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
NOV						
15...	0830	18	66	6.7	6.5	11.7
FEB						
14...	0900	2.7	48	6.3	4.0	11.9

DATE	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
NOV							
15...	.0	.0	17	11	41	6	.29
FEB							
14...	--	--	9	9.3	35	1	.01

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV						
15...	80	60	20	10	0	20
FEB						
14...	60	60	0	20	10	10

LAKES IN TENNESSEE RIVER BASIN

03553000 **NOTTELY LAKE.**—Lat 34°57'29", long 84°05'22", Union County, Hydrologic Unit 06020002, at dam on Nottely River, 1.3 mi (2.1 km) upstream from Dooley Creek, 1.7 mi (2.7 km) southwest of Ivylog, 2.5 mi (4.0 km) upstream from Georgia-North Carolina State line, and at mile 21.0 (33.8 km). DRAINAGE AREA, 214 mi^2 (554 km^2). PERIOD OF RECORD, January 1942 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level.

Lake is formed by rock and rolled earthfill dam with side channel spillway equipped with flashboards. Storage began Jan. 24, 1942; water in lake first reached minimum pool elevation Jan. 26, 1942. Total capacity at elevation 1,780.00 ft (542.54 m), top of flashboards, is 87,900 ft^3/s-days (215.1 hm^3), of which 81,500 ft^3/s-days (199.4 hm^3) is controlled storage above elevation 1,690.00 ft (515.11 m), minimum pool. Lake is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 94,100 ft^3/s-days (230.3 hm^3) Apr. 20, 1943, elevation, 1,780.50 ft (542.696 m); maximum elevation, 1,781.47 ft (542.992 m) May 28, 1973; minimum (after first filling), 200 ft^3/s-days (0.489 hm^3) Oct. 6, 1947, elevation, 1,638.6 ft (499.44 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 84,200 ft^3/s-days (206.0 hm^3) May 25, elevation, 1,778.21 ft (541.998 m); minimum, 36,600 ft^3/s-days (89.6 hm^3) Jan. 10, elevation, 1,744.16 ft (531.620 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30	1762.71	57800	-	-
Oct. 31	1755.78	48900	-8900	-287
Nov. 30	1755.56	48600	-300	-10
Dec. 31	1746.19	38600	-10000	-323
CAL YR 1979	-	-	+1400	+4
Jan. 31	1747.94	40300	+1700	+55
Feb. 29	1751.55	44100	+3800	+131
Mar. 31	1768.37	66200	+22100	+713
Apr. 30	1774.55	76900	+10700	+357
May 31	1777.45	82700	+5800	+187
June 30	1774.80	77400	-5300	-177
July 31	1765.69	62100	-15300	-494
Aug. 31	1758.20	51800	-10300	-332
Sept. 30	1753.78	46600	-5200	-173
WTR YR 1980	-	-	-11200	-31

03558500 **BLUE RIDGE LAKE.**—Lat 34°52'52", long 84°16'49", Fannin County, Hydrologic Unit 06020003, 400 ft (122 m) upstream from Blue Ridge Dam on Toccoa River, 2.5 mi (4.0 km) northeast of Blue Ridge, and at mile 53.0 (85.3 km). DRAINAGE AREA, 232 mi^2 (601 km^2). PERIOD OF RECORD, December 1930 to current year (prior to Aug. 16, 1939, only midnight readings available). GAGE, water-stage recorder. Datum of gage is at sea level, Tennessee Electric Power Co. datum; to convert to datum of 1929, subtract 0.18 ft (0.055 m) from elevations given herein.

Lake is formed by earth dam. Spillway equipped with five taintor gates 15 ft (4.57 m) high by 22 ft (6.71 m) wide. Dam completed and storage began Dec. 6, 1930. Total capacity at elevation 1,691.00 ft (515.42 m), top of gates, is 98,800 ft^3/s-days (241.8 hm^3), of which 92,800 ft^3/s-days (227.1 hm^3) is controlled storage above 1,590.00 ft (484.63 m), minimum pool. Lake is used for power and recreation. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents recorded, 102,100 ft^3/s-days (249.8 hm^3) Feb. 11, 1946, elevation, 1,691.54 ft (515.581 m); minimum (after first filling), 6,500 ft^3/s-days (15.91 hm^3) Jan. 16, 1956, elevation, 1,587.75 ft (483.95 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 95,400 ft^3/s-days (233.4 hm^3) May 9, elevation, 1,688.76 ft (514.734 m); minimum, 26,000 ft^3/s-days (63.6 hm^3) Dec. 29, elevation, 1,629.85 ft (496.778 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30	1666.95	62900	-	-
Oct. 31	1648.85	42400	-20500	-661
Nov. 30	1650.00	43600	+1200	+40
Dec. 31	1630.01	26100	-17500	-565
CAL YR 1979	-	-	-12900	-35
Jan. 31	1651.47	45100	+19000	+613
Feb. 29	1663.75	58800	+13700	+472
Mar. 31	1687.12	92800	+34000	+1097
Apr. 30	1688.49	95000	+2200	+73
May 31	1687.78	93900	-1100	-35
June 30	1686.10	91100	-2800	-93
July 31	1680.62	82100	-9000	-290
Aug. 31	1672.59	70400	-11700	-377
Sept. 30	1666.90	62800	-7600	-253
WTR YR 1980	-	-	-100	0

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are useable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements and peak flow determinations are made at other sites not included in the partial-record program. These data are generally obtained for droughts or floods to give better areal coverage to those events.

Low-flow partial-record stations

Measurements of streamflow made at low-flow partial-record stations located in the area covered by this report are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements when correlated with the discharge of a nearby stream with known low-flow characteristics (usually a continuous-record station) will indicate the low-flow potentiality of the stream. The column headed "period of record" indicates the water years in which measurements were made at the site.

Discharge measurements made at low-flow partial-record stations during water year 1980

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Savannah River Basin				
02187335	Cedar Creek near Hartwell, Ga.	Lat 34°20'06", long 82°56'26", Hart County, Hydrologic Unit 03060103, at State Route 172, 1 mile south of Hartwell.	2.27	1979-80	8-12-80	1.6
02187780	Coldwater Creek near Ruckersville, Ga.	Lat 34°12'52", long 82°48'07", Elbert County, Hydrologic Unit 03060103, at State Route 368, 3.5 miles north of Ruckersville.	67.5	1943, 1953, 1955, 1979	—	—
02189014	Middle Fork Broad River near Homer, Ga.	Lat 34°26'20", long 83°25'38", Banks County, Hydrologic Unit 03060104, at State Route 184, 6.5 miles north of Homer.	45.8	1955, 1979-80	8-13-80	50
02191225	Hickory Level Creek near Maysville, Ga.	Lat 34°17'27", long 83°31'50", Banks County, Hydrologic Unit 03070104, at State Route 98, 3 miles north of Maysville.	11.3	1943, 1953, 1955, 1979-80	8-13-80	11
02191244	Nails Creek near Carnesville, Ga.	Lat 34°16'32", long 83°16'33", Franklin County, Hydrologic Unit 03060104, at State Route 106, 7 miles south of Carnesville.	47.2	1979-80	8-13-80	23
02191670	South Fork Broad River at Ila, Ga.	Lat 34°09'55", long 83°17'52", Madison County, Hydrologic Unit 03060104, at State Route 106, at Ila.	17.0	1953, 1955, 1979-80	8-13-80	3.2
02191740	Big Clouds Creek near Carlton, Ga.	Lat 34°01'14", long 83°04'10", Oglethorpe County, Hydrologic Unit 03060104, at county road, 1 mile southwest of Carlton.	47.3	1943, 1953, 1955-56, 1979-80	8-12-80	10
02191980	Clark Creek near Tignall, Ga.	Lat 33°53'50", long 82°48'45", Wilkes County, Hydrologic Unit 03060104, at county road, 6 miles northwest of Tignall.	42.6	1943, 1953, 1955, 1979-80	8-12-80	1.4
02192435	Soap Creek near Lincolnton, Ga.	Lat 33°48'57", long 82°29'44", Lincoln County, Hydrologic Unit 03060103, at county road, 2 miles northwest of Lincolnton.	16.7	1974, 1979-80	8-12-80	.04
02193240	South Fork Little River near Crawfordville, Ga.	Lat 33°37'15", long 82°55'10", Taliaferro County, Hydrologic Unit 03060105, at State Route 22, 4 miles north of Crawfordville.	45.7	1951-53, 1955, 1979-80	8-11-80	2.1
02193350	Kettle Creek near Washington, Ga.	Lat 33°40'45", long 82°49'55", Wilkes County, Hydrologic Unit 03060105, at State Route 44, [illegible] miles southwest of Washington.	47.2	1943, 1953, 1955, 1979-80	8-11-80	3.3
02193780	Hart Creek near Thomson, Ga.	Lat 33°33'45", long 82°35'45", McDuffie County, Hydrologic Unit 03060105, at county road, 8.5 miles north of Thomson.	17.5	1943, 1951, 1953-55, 1979-80	8-11-80	.16

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Savannah River Basin--Continued				
02194080	Germany Creek near Thomson, Ga.	Lat 33°33'44", long 82°28'06", McDuffie County, Hydrologic Unit 03060105, at county road, 6 miles northeast of Thomson.	26.6	1974, 1979-80	8-12-80	.01
02195470	Uchee Creek near Evans, Ga.	Lat 33°34'02", long 82°11'01", Columbia County, Hydrologic Unit 03060106, at State Route 104, 4 miles northwest of Evans.	58.3	1953, 1955, 1979-80	8-12-80	.01
02197030	Spirit Creek near Hephzibah, Ga.	Lat 33°20'55", long 82°04'35", Richmond County, Hydrologic Unit 03060106, at Windsor Spring Road, 3 miles north of Hephzibah.	50.3	1943, 1955, 1980	8-11-80	49
02198170	Beaverdam Creek near Sylvania, Ga.	Lat 32°49'15", long 81°37'24", Screven County, Hydrologic Unit 03060108, at State Highway 24, 5 miles north of Sylvania.	116	1979-80	10-17-78 8-12-80	3.9 1.5
		Ogeechee River Basin				
02200360	Beechtree Creek near Gibson, Ga.	Lat 33°14'40", long 82°34'25", Glascock County, Hydrologic Unit 03060201, at county road, 1 mile east of Gibson.	7.21	1979-80	8-11-80	1.9
02200380	Joes Creek near Mitchell, Ga.	Lat 33°14'17", long 82°40'22", Glascock County, Hydrologic Unit 03060201, at county road, 2 miles east of Mitchell.	9.26	1979-80	8-11-80	1.5
02200430	Duhart Creek near Louisville, Ga.	Lat 33°06'32", long 82°29'29", Jefferson County, Hydrologic Unit 03060201, at county road, 5 miles northwest of Louisville.	31.0	1979-80	8-11-80	17
02200810	Big Creek near Louisville, Ga.	Lat 33°02'55", long 82°21'30", Jefferson County, Hydrologic Unit 03060201, at county road, 4 miles northeast of Louisville.	56.9	1943-44, 1953, 1955, 1979-80	8-11-80	23
02202240	Ogeechee Creek at Oliver, Ga.	Lat 32°31'28", long 81°32'23", Screven County, Hydrologic Unit 03060202, at State Route 17, at Oliver.	141	1954, 1979	--	--
		Altamaha River Basin				
02204130	Honey Creek near Conyers, Ga.	Lat 33°34'47", long 84°03'51", Rockdale County, Hydrologic Unit 03070103, at State Highway 212, 6 miles southwest of Conyers.	26.0	1979-80	8-11-80	7.7
02204780	Snapping Shoals Creek near Porterdale, Ga.	Lat 33°29'25", long 83°57'19", Newton County, Hydrologic Unit 03070103, at State Route 81, 8 miles south of Porterdale.	39.2	1979-80	8-12-80	11
02208490	Cornish Creek near Covington, Ga.	Lat 33°38'30", long 83°47'55", Newton County, Hydrologic Unit 03070103, at county road, 5 miles northeast of Covington.	28.3	1979-80	8-11-80	6.2
02209390	Bear Creek near Stewart, Ga.	Lat 33°26'45", long 83°48'46", Newton County, Hydrologic Unit 03070103, at county road, 3 miles northeast of Stewart.	27.0	1974, 1979-80	8-11-80	3.8
02209750	Tussahaw Creek near Jackson, Ga.	Lat 33°22'43", long 83°57'49", Butts County, Hydrologic Unit 03070103, at county road, 6 miles north of Jackson.	59.2	1955, 1974, 1979-80	8-12-80	13
02210640	Yellow Water Creek near Jackson, Ga.	Lat 33°18'42", long 83°59'00", Butts County, Hydrologic Unit 03070103, at State Route 42, 1 mile northwest of Jackson.	5.25	1965, 1979-80	8-12-80	.31

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		Altamaha River Basin--Continued				
02211270	Troublesome Creek near Griffin, Ga.	Lat 33°18'33", long 84°11'22", Spalding County, Hydrologic Unit 03070103, at State Route 155, 7 miles northeast of Griffin.	16.9	1954, 1979-80	8-13-80	5.6
02211285	Indian Creek near Locust Grove, Ga.	Lat 33°21'02", long 84°08'28", Henry County, Hydrologic Unit 03070103, at county road, 1 mile west of Locust Grove.	15.2	1951, 1953, 1979-80	8-12-80	3.2
02211440	Buck Creek near Orchard Hill, Ga.	Lat 33°12'21", long 84°07'46", Spalding County, Hydrologic Unit 03070103, at county road, 5 miles east of Orchard Hill.	16.7	1979-80	8-13-80	2.3
02[illegible]11470	Edie Creek near Milner, Ga.	Lat 33°08'39", long 84°08'45", Lamar County, Hydrologic Unit 03070103, at county road, 4 miles northeast of Milner.	7.70	1951, 1953-54, 1979-80	8-13-80	.54
02212780	Rum Creek near Popes Ferry, Ga.	Lat 32°59'59", long 83°44'16", Monroe County, Hydrologic Unit 03070103, at State Route 87, 1 mile north of Popes Ferry.	74.1	1951, 1955, 1979-80	8-8-80	8.2
02213450	Little Tobesofkee Creek near Bolingbroke, Ga.	Lat 32°53'58", long 83°53'45", Monroe County, Hydrologic Unit 03070103, at county road, 6 miles southwest of Bolingbroke.	56.2	1966, 1975, 1979-80	8-7-80	12
02213670	Rocky Creek at Macon, Ga.	Lat 32°49'12", long 83°41'33", Bibb County, Hydrologic Unit 03070103, at U.S. Highway 80, at Macon.	37.1	1955, 1975, 1979-80	8-7-80	1.3
02213900	Echeconnee Creek near Culloden, Ga.	Lat 32°51'55", long 83°59'41", Monroe County, Hydrologic Unit 03070103, at State Route 42, 8 miles east of Culloden.	50.2	1953, 1955, 1979-80	8-7-80	11
02214210	Sandy Run Creek near Bonaire, Ga.	Lat 32°34'36", long 83°35'13", Houston County, Hydrologic Unit 03070104, at State Route 247, 2 miles north of Bonaire.	55.9	1979-80	8-13-80	6.0
02214260	Flat Creek near Bullard, Ga.	Lat 32°36'08", long 83°28'43", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 129, 3 miles south of Bullard.	36.2	1944, 1955, 1979	--	--
02214360	Shellstone Creek near Tarversville, Ga.	Lat 32°30'42", long 83°25'24", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 129, 3 miles south of Tarversville.	28.3	1944, 1955, 1979-80	8-13-80	.48
02214760	Mule Creek at Powersville, Ga.	Lat 32°36'10", long 83°47'54", Peach County, Hydrologic Unit 03070104, at State Route 49, at Powersville.	18.4	1955, 1979-80	8-12-80	2.1
02215060	Elko Creek near Elko, Ga.	Lat 32°19'30", long 83°43'32", Houston County, Hydrologic Unit 03070104, at State Route 26, 1 mile southwest of Elko.	15.4	1944, 1979-80	8-14-80	.29
02215400	Big Horse Creek near Lumber City, Ga.	Lat 31°51'07", long 82°49'37", Telfair County, Hydrologic Unit 03070104, at State Route 117, 10 miles south of Lumber City.	156	1959-62, 1966-68, 1972, 1979-80	8-11-80	3.0
02216190	Turnpipe Creek near Lumber City, Ga.	Lat 31°57'35", long 82°43'38", Telfair County, Hydrologic Unit 03070104, at U.S. Highway 341, 3 miles north of Lumber City.	172	1979-80	8-11-80	1.2

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		Altamaha River Basin--Continued				
02217270	Mulberry River near Flowery Branch, Ga.	Lat 34°07'46", long 83°49'52", Hall County, Hydrologic Unit 03070101, at State Route 211, 10 miles east of Flowery Branch.	43.2	1953, 1955, 1979-80	8-14-80	27
02217295	Mulberry River near Hoschton, Ga.	Lat 34°03'18", long 83°43'03", Jackson-Barrow County line, Hydrologic Unit 03070101, at State Route 53, 3 miles southeast of Hoschton.	117	1951, 1955, 1979-80	8-14-80	60
02217542	Barber Creek near Eastville, Ga.	Lat 33°53'32", long 83°30'13", Oconee County, Hydrologic Unit 03070101, at county road, 1 mile north of Eastville.	26.5	1979-80	8-12-80	9.0
02217550	McNutt Creek near Watkinsville, Ga.	Lat 33°54'34", long 83°24'03", Oconee-Clarke County line, Hydrologic Unit 03070101, at U.S. Highway 441, 3 miles north of Watkinsville.	54.1	1975, 1979-80	8-12-80	16
02219250	Hard Labor Creek near Madison, Ga.	Lat 33°38'15", long 83°29'24", Morgan County, Hydrologic Unit 03070101, at State Route 83, 4 miles north of Madison.	76.0	1967, 1979-80	8-13-80	24
02220260	Richland Creek near Greensboro, Ga.	Lat 33°36'33", long 83°09'44", Greene County, Hydrologic Unit 03070101, at county road, 2 miles north of Greensboro.	12.4	1956, 1979-80	8-12-80	.30
02220690	Crooked Creek near Eatonton, Ga.	Lat 33°19'20", long 83°16'32", Putnam County, Hydrologic Unit 03070101, at county road, 7 miles east of Eatonton.	25.8	1974, 1979-80	8-11-80	2.3
02220850	Big Indian Creek near Madison, Ga.	Lat 33°31'32", long 83°31'28", Morgan County, Hydrologic Unit 03070101, at State Route 83, 6 miles southwest of Madison.	30.2	1943, 1951-52, 1954, 1979-80	8-13-80	3.9
02221660	Cedar Creek near Monticello, Ga.	Lat 33°12'42", long 83°36'05", Jasper County, Hydrologic Unit 03070101, at county road, 9 miles southeast of Monticello.	20.1	1979-80	8-11-80	2.4
02223050	Town Creek near Milledgeville, Ga.	Lat 32°59'30", long 83°04'25", Baldwin County, Hydrologic Unit 03070102, at State Route 24, 11 miles southeast of Milledgeville.	58.9	1942, 1955, 1979-80	8-14-80	10
02223082	Buffalo Creek near Linton, Ga.	Lat 33°06'27", long 82°57'34", Hancock-Washington County line, Hydrologic Unit 03070102, at county road, 1 mile east of Linton.	92.9	1943, 1951, 1954, 1979-80	8-14-80	4.8
02223100	Buffalo Creek near Sandersville, Ga.	Lat 32°57'43", long 82°57'35", Washington County, Hydrologic Unit 03070102, at State Route 24, 10 miles west of Sandersville.	248	1959-68, 1970, 1973, 1975, 1979-80	8-14-80	14
02223145	Commissioner Creek near Gray, Ga.	Lat 32°58'33", long 83°25'19", Jones County, Hydrologic Unit 03070102, at State Route 49, 8 miles southeast of Gray.	36.7	1951, 1953, 1955, 1979-80	8-13-80	1.1
02223360	Big Sandy Creek near Irwinton, Ga.	Lat 32°45'59", long 83°10'05", Wilkinson County, Hydrologic Unit 03070102, at U.S. Highway 441, 2 miles south of Irwinton.	177	1944, 1979-80	8-14-80	14
02223850	Turkey Creek at Allentown, Ga.	Lat 32°36'41", long 83°11'26", Wilkinson County, Hydrologic Unit 03070102, at State Route 112, 2 miles north of Allentown.	48.9	1979-80	8-14-80	1.2
02225127	Ten Mile Creek near Surrency, Ga.	Lat 31°51'53", long 82°10'45", Appling County, Hydrologic Unit 03070106, at county road, 12 miles north of Surrency.	11.4	1979-80	8-13-80	.67

Low-flow partial-record stations--Continued

					Measurements	
Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Discharge (ft³/s)
		Suwannee River Basin				
02317590	Mud Creek near Valdosta, Ga.	Lat 30°46'40", long 83°10'48", Lowndes County, Hydrologic Unit 03110202, at county road 6 miles southeast of Valdosta.	77.7	1966, 1979-80	8-9-80	13
02317950	Warrior Creek near Ellenton, Ga.	Lat 31°14'38", long 83°32'11", Colquitt County, Hydrologic Unit 03110204, at county road 6 miles northeast of Ellenton.	269	1962, 1979-80	8-9-80	.62
		Ochlockonee River Basin				
02328070	Little Tired Creek at Cairo, Ga.	Lat 30°52'38", long 84°11'26", Grady County, Hydrologic Unit 03120002, at U.S. Highway 84 at Cairo.	20.4	1949-50, 1954, 1979-80	8-6-80	.04
02328140	Maxwell Creek near Cairo, Ga.	Lat 30°48'31", long 84°15'18", Grady County, Hydrologic Unit 03120002, at State Highway 111, 5 miles southwest of Cairo.	18.8	1954, 1956, 1979-80	8-5-80	3.2
02329330	Attapulgus Creek near Attapulgus, Ga.	Lat 30°43'58", long 84°27'13", Decatur County, Hydrologic Unit 03120003, at State Highway 1, 1.6 miles southeast of Attapulgus.	57.3	1954, 1980	8-5-80	10
		Apalachicola River Basin				
02331360	Hazel Creek near Clarksville, Ga.	Lat 34°35'09", long 83°31'07", Habersham County, Hydrologic Unit 03130001, at county road 1 mile south of Clarksville.	16.8	1954, 1979-80	8-13-80	16
02333310	Tesnatee Creek near Cleveland, Ga.	Lat 34°35'44", long 83°46'41", White County, Hydrologic Unit 03130001, at U.S. Highway 129, 1 mile north of Cleveland.	9.89	1952, 1954, 1979-80	8-13-80	8.2
02333800	Cane Creek at Dahlonega, Ga.	Lat 34°31'44", long 84°00'25", Lumpkin County, Hydrologic Unit 03130001, at U.S. Highway 19 at Dahlonega.	21.9	1950-52, 1954, 1979-80	8-13-80	21
02335500	Bentley Creek near Cumming, Ga.	Lat 34°10'43", long 84°13'16", Forsyth County, Hydrologic Unit 03130001, at State Highway 371, 5 miles southwest of Cumming.	8.56	1980	8-12-80	3.7
02336860	Gothards Creek near Douglasville, Ga.	Lat 33°47'16", long 84°45'01", Paulding County, Hydrologic Unit 03130002, at State Highway 92, 4 miles north of Douglasville.	13.0	1952, 1954, 1979-80	8-11-80	3.4
02338530	Hillabahatchee Creek near Franklin, Ga.	Lat 33°16'50", long 85°07'10", Heard County, Hydrologic Unit 03130002, at State Highway 34, 1 mile west of Franklin.	77.3	1950-52, 1979-80	8-11-80	36
02338930	Beech Creek near LaGrange, Ga.	Lat 33°05'32", long 84°59'02", Troup County, Hydrologic Unit 03130002, at county road 3 miles north of LaGrange.	52.9	1952, 1954, 1979-80	8-11-80	9.3
02339840	Flat Shoal Creek near West Point, Ga.	Lat 32°50'12", long 85°06'57", Harris County, Hydrologic Unit 03130003, at county road at Columbus.	211	1979-80	8-12-80	49
02341542	Flat Rock Creek at Columbus, Ga.	Lat 32°32'57", long 84°53'07", Muscogee County, Hydrologic Unit 03130003, at Warm Springs Road, at Columbus.	6.54	1979-80	8-12-80	.95
02341600	Juniper Creek near Geneva, Ga.	Lat 32°31'41", long 84°34'14", Talbot-Marion County line, Hydrologic Unit 03130003, at State Highway 41, 4.1 miles south of Geneva.	47.4	1943, 1964, 1979-80	8-12-80	51
02341750	Randall Creek near Upatoi, Ga.	Lat 32°32'52", long 84°46'31", Muscogee County, Hydrologic Unit 03130003, at U.S. Highway 80, 1 mile west of Upatoi.	18.7	1947, 1954, 1979-80	8-12-80	3.6

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements Date	Measurements Discharge (ft³/s)
		Apalachicola River Basin--Continued				
02342590	Hichitee Creek near Cusseta, Ga.	Lat 32°16'04", long 84°47'10", Chattahoochee County, Hydrologic Unit 03130003, at U.S. Highway 27, 2 miles south of Cusseta.	15.8	1947, 1954, 1979-80	8-11-80	12
02343208	Hodchodkee Creek at Lumpkin, Ga.	Lat 32°03'04", long 84°46'35", Stewart County, Hydrologic Unit 03130003, at State Highway 27 at Lumpkin.	10.7	1952, 1954, 1979-80	8-6-80	6.4
02343229	Holanna Creek at Morris, Ga.	Lat 31°47'17", long 84°57'23", Quitman County, Hydrologic Unit 03130003, at State Highway 290 at Morris.	41.4	1954, 1973, 1979-80	8-6-80	9.0
02343255	Cemocheechobee Creek near Fort Gaines, Ga.	Lat 31°37'29", long 85°02'46", Clay County, Hydrologic Unit 03130004, at State Highway 39 at Fort Gaines.	103	1954, 1968, 1979-80	8-6-80	34
02343270	Kolomoki Creek near Fort Gaines, Ga.	Lat 31°31'15", long 85°01'29", Clay County, Hydrologic Unit 03130004, at State Highway 39, 5 miles south of Fort Gaines.	97.5	1954, 1968, 1979-80	8-6-80	109
02343940	Sowhatchee Creek at Cedar Springs, Ga.	Lat 31°10'40", long 85°02'37", Early County, Hydrologic Unit 03130004, at State Highway 273 at Cedar Springs.	64.2	1979-80	8-5-80	15
02344480	Shoal Creek near Griffin, Ga.	Lat 33°15'33", long 84°23'18", Spalding County, Hydrologic Unit 03130005, at county road 4.5 miles west of Griffin.	20.5	1952, 1954, 1979-80	8-12-80	5.4
02344620	Shoal Creek near Sharpsburg, Ga.	Lat 33°23'21", long 84°37'24", Coweta County, Hydrologic Unit 03130005, at State Highway 54, 4 miles north of Sharpsburg.	24.1	1942, 1952, 1979-80	8-12-80	4.0
02344752	Line Creek above Haralson, Ga.	Lat 33°15'23", long 84°29'50", Coweta-Spalding County line, Hydrologic Unit 03130005, at State Highway 16, 3 miles east of Senoia.	216	1951, 1979-80	8-13-80	32
02344887	Red Oak Creek near Greenville, Ga.	Lat 33°06'13", long 84°39'59", Meriwether County, Hydrologic Unit 03130005, at State Highway 362, 5 miles northeast of Greenville.	41.4	1979-80	8-12-80	9.7
02346195	Lazar Creek near Talbotton, Ga.	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Highway 41, 5 miles north of Talbotton.	81.3	1950, 1951, 1979-80	8-7-80	19
02346680	Hackasofkee Creek near Talbotton, Ga.	Lat 32°44'14", long 84°21'32", Talbot County, Hydrologic Unit 03130005, at county road, 10 miles east of Talbotton.	47.3	1979-80 1979-80	8-7-80	7.2
02347750	Auchumpkee Creek near Roberta, Ga.	Lat 32°44'43", long 84°12'47", Upson County, Hydrologic Unit 03130005, at State Highway 22 spur, 11 miles west of Roberta.	45.7	1943, 1954, 1979-80	8-7-80	3.7
02347850	Ulcohatchee Creek near Roberta, Ga.	Lat 32°45'32", long 84°06'43", Crawford County, Hydrologic Unit 3130005, at U.S. Highway 80, 6 miles west of Roberta.	29.9	1954, 1955, 1979-80	8-7-80	1.3
02348220	Beaver Creek near Roberta, Ga.	Lat 32°39'01", long 84°00'23", Crawford County, Hydrologic Unit 03130005, at county road 5 miles south of Roberta.	18.8	1955, 1979-80	8-12-80	14
02348420	Toteover Creek near Ideal, Ga.	Lat 32°26'42", long 84°04'45", Macon County, Hydrologic Unit 03130005, at State Highway 128, 7 miles northeast of Ideal.	11.1	1954, 1979-80	8-12-80	6.5

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		Apalachicola River Basin--Continued				
02349740	Hog Crawl Creek near Montezuma, Ga.	Lat 32°13'02", long 83°59'30", Macon-Dooly County line, Hydrologic Unit 03130006, at county road, 8 miles south of Montezuma.	73.0	1950-51, 1954, 1979-80	8-11-80	27
02350080	Lime Creek near Cobb, Ga.	Lat 32°02'06", long 83°59'33", Sumter County, Hydrologic Unit 03130006, at county road, 5 miles north of Cobb.	61.8	1954, 1956 1973, 1979	--	--
02350300	Cedar Creek near Cordele, Ga.	Lat 31°54'47", long 83°51'12", Crisp County, Hydrologic Unit 03130006, at State Highway 257, 5 miles south of Cordele.	34.0	1954, 1960-65, 1968, 1972, 1979-80	8-5-80	4.0
02350527	Mill Creek near Albany, Ga.	Lat 31°40'04", long 83°59'48", Worth County, Hydrologic Unit 03130006, at State Highway 257, 10 miles northeast of Albany.	44.0	1979-80	8-4-80	17
02350572	Kinchafoonee Creek near Buena Vista,	Lat 32°15'22", long 84°34'41", Marion County, Hydrologic Unit 03130007, at county road, 5 miles southwest of Buena Vista.	52.7	1979-80	8-11-80	30
02350690	Choctahatchee Creek near Preston, Ga.	Lat 32°02'02", long 84°28'04", Webster County, Hydrologic Unit 03130007, at U.S. Highway 280, 4 miles east of Preston.	35.0	1952, 1979-80	8-11-80	29
02351500	Muckalee Creek near Americus, Ga.	Lat 32°04'59", long 84°15'29", Sumter County, Hydrologic Unit 03130007, at State Highway 30, 1 mile west of Americus.	140	1979-80	8-11-80	50
02352970	Cooleewahee Creek near Albany, Ga.	Lat 31°30'13", long 84°17'28", Dougherty County, Hydrologic Unit 03130008, at State Highway 62, 8 miles west of Albany.	60.1	1954, 1979-80	8-5-80	0
02353350	Carter Creek near Carnegie, Ga.	Lat 31°38'12", long 84°43'14", Randolph County, Hydrologic Unit 03130009, at county road, 4 miles east of Carnegie.	51.4	1979-80	8-6-80	13
		Mobile River Basin				
02379980	Rock Creek at Cherry Log, Ga.	Lat 34°46'46", long 84°23'32", Gilmer County, Hydrologic Unit 03150102, at State Highway 5, at Cherry Log.	10.7	1950, 1954, 1979-80	8-14-80	9.0
02381570	Talking Rock Creek at Talking Rock, Ga.	Lat 34°30'40", long 84°30'31", Pickens County, Hydrologic Unit 03150102, at State Highway 5, at Talking Rock.	16.6	1954, 1979-80	8-13-80	10
02382838	Salacoa Creek at Fairmount, Ga.	Lat 34°25'07", long 84°41'55", Gordon County, Hydrologic Unit 03150102, at U.S. Highway 411, 1 mile south of Fairmount.	44.1	1980	8-13-80	6.0
02385250	Coahulla Creek near Dalton, Ga.	Lat 34°46'46", long 84°53'47", Whitfield County, Hydrologic Unit 03150101, at U.S. Highway 76, 3 miles east of Dalton.	119	1979-80	8-15-80	29
02386840	Swamp Creek near Dalton, Ga.	Lat 34°40'24", long 84°58'57", Whitfield County, Hydrologic Unit 03150101, at U.S. Highway 41, 5 miles south of Dalton.	12.3	1959, 1966,	8-15-80	1.4
02387690	Johns Creek near Curryville, Ga.	Lat 34°26'27", long 85°05'43", Floyd-Gordon County line, Hydrologic Unit 03150103, at State Highway 156, 3 miles west of Curryville.	34.3	1954, 1959, 1979-80	8-12-80	7.5

Mobile River Basin--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
02388900	Etowah River near Dahlonega, Ga.	Lat 34°30'53", long 84°03'37", Lumpkin County, Hydrologic Unit 03150104, at State Highway 9, 4 miles west of Dahlonega.	69.7	1951, 1953, 1955, 1959, 1979-80	10-16-78 8-13-80	67 103
02294520	Pumpkinvine Creek near Emerson, Ga.	Lat 34°06'53", long 84°47'24", Bartow County, Hydrologic Unit 03150104, at county road, 2 miles west of Emerson.	130	1959, 1979-80	8-13-80	42
02394850	Fish Creek near Rockmart, Ga.	Lat 34°00'37", long 85°07'11", Polk County, Hydrologic Unit 03150104, at U.S. Highway 278, 4 miles west of Rockmart.	15.5	1954, 1979-80	8-11-80	2.4
02393020	Noonday Creek near Woodstock, Ga.	Lat 34°06'25", long 84°32'50", Cherokee County, Hydrologic Unit 03150104, 1.7 miles west of Woodstock.	47.9	1980	8-12-80	17
02390140	Settingdown Creek near Ball Ground, Ga.	Lat 34°17'35", long 84°15'49", Cherokee County, Hydrologic Unit 03150104, at State Highway 369, 8 miles southeast of Ball Ground.	49.3	1955, 1959, 1980	8-12-80	17
02398010	Raccoon Creek at Berryton, Ga.	Lat 34°26'25", long 85°22'46", Chattooga County, Hydrologic Unit 03150105, at State Highway 114, at Berryton.	26.8	1974, 1979-80	8-12-80	20
02411940	Walker Creek near Tallapoosa, Ga.	Lat 33°42'25", long 85°16'17", Haralson County, Hydrologic Unit 03150108, at State Highway 100, 2 miles south of Tallapoosa.	15.1	1952, 1954, 1979	—	—
02413070	Buck Creek near Carrollton, Ga.	Lat 33°35'31", long 85°07'47", Carroll County, Hydrologic Unit 03150108, at State Highway 16, 2 miles east of Carrollton.	29.6	1952, 1954, 1979-80	8-11-80	8.2
02413240	Turkey Creek near Bowdon, Ga.	Lat 33°33'55", long 85°15'05", Carroll County, Hydrologic Unit 03150108, at State Highway 100, 1 mile north of Bowdon.	40.9	1950, 1952, 1954, 1979	—	—

Discharge measurements made at miscellaneous sites

The following table contains discharge measurements made at sites that are not currently operated as a continuous-record gaging station or low-flow partial-record station. The measurements made at discontinued gaging stations are primarily used as index discharges to low-flow partial-record stations for correlation purposes. These measurements were made during periods of base flow.

Discharge measurements made at miscellaneous sites during water year 1980

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		Savannah River Basin				
02188500	Beaverdam Creek at Dewy Rose, Ga. (Prior to 1975, published as South Beaverdam Creek.)	Lat 34°10'52", long 82°56'38", Elbert County, Hydrologic Unit 03060103, at county road, 1 mile northeast of Dewy Rose.	35.8	1943-77‡, 1979-80	8-12-80	10
02191200	Hudson River at Homer, Ga.	Lat 34°20'30", long 83°29'10", Banks County, Hydrologic Unit 03060104, at State Highway 15, at Homer.	61.1	1959-79‡, 1980	8-13-80	58
02193500	Little River near Washington, Ga.	Lat 33°36'40", long 82°44'40", Wilkes-Taliaferro County line, Hydrologic Unit 03060105, at county road, 9 miles south of Washington.	291	1950-71‡, 1979-80	8-11-80	14
		Altamaha River Basin				
02206500	Yellow River near Snellville, Ga.	Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, at county road, 3.2 miles west of Snellville.	134	1943-71‡, 1975-80	8-8-80 8-26-80	45 35
02211300	Towaliga River near Jackson, Ga.	Lat 33°15'50", long 84°04'17", Butts County, Hydrologic Unit 03070103, at State Highway 16, 6.5 miles west of Jackson.	a105	1960-71‡, 1973, 1977, 1979-80	8-13-80	15
02217000	Allen Creek at Talmo, Ga.	Lat 34°11'34", long 83°43'11", Jackson County, Hydrologic Unit 03070101, at U.S. Highway 129, at Talmo.	17.3	1951-71‡, 1979-80	8-14-80	14
02221000	Murder Creek near Monticello, Ga.	Lat 33°24'56", long 83°39'43", Jasper County, Hydrologic Unit 03070101, at State Highway 229, 8 miles north of Monticello.	a24	1952-71‡, 1972, 1979-80	8-13-80	3.8
02224000	Rocky Creek near Dudley, Ga.	Lat 32°29'38", long 83°08'49", Laurens County, Hydrologic Unit 03070102, at county road, 5 miles southwest of Dudley.	62.9	1952-76‡, 1979-80	8-14-80	.47
		Satilla River Basin				
02270000	Hurricane Creek near Alma, Ga.	Lat 31°34'00", long 82°27'50", Bacon County, Hydrologic Unit 03070201, at U.S. Highway 1, 1.5 miles north of Alma.	a150	1952-71‡, 1973-80	10-11-79 8-9-80	10 0
		Suwannee River Basin				
02316000	Alapaha River near Alapaha, Ga.	Lat 31°23'03", long 83°11'33", Berrien County, Hydrologic Unit 03110202, at U.S. Highway 82, 2 miles east of Alapaha.	663	1937-76‡, 1978-80	8-9-80	.44
		Ochlockonee River Basin				
02327500	Ochlockonee River near Thomasville, Ga.	Lat 30°52'32", long 84°02'44", Thomas County, Hydrologic Unit 03120002, at U.S. Highway 84, 5 miles northwest of Thomasville.	a550	1938-71‡, 1972-74, 1977-80	8-6-80	24

‡ Operated as a continuous-record gaging station.
a Approximately.

Discharge measurements made at miscellaneous sites during water year 1980--Continued

					Measurements	
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Ochlockonee River Basin--Continued				
02328000	Tired Creek near Cairo, Ga.	Lat 30°51'34", long 84°15'46", Grady County, Hydrologic Unit 03120002, at county road, 3 miles west of Cairo.	a60	1943-71†, 1972-74, 1979-80	8-5-80	3.0
		Apalachicola River Basin				
02331000	Chattahoochee River near Leaf, Ga.	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State Highway 115, 1.5 miles east of Leaf.	150	1940-71†, 1979-80	8-13-80	182
02340500	Mountain Oak Creek near Hamilton, Ga.	Lat 32°44'28", long 85°04'08", Harris County, Hydrologic Unit 03130002, at State Highway 103, 11 miles west of Hamilton.	61.7	1944-71†, 1979-80	8-12-80	30
02343200	Pataula Creek near Lumpkin, Ga.	Lat 31°56'03", long 84°48'12", Stewart County, Hydrologic Unit 03130003, at U.S. Highway 27, 8 miles south of Lumpkin.	a70	1950-52, 1954, 1958-71†, 1972, 1979-80	8-6-80	24
02346500	Potato Creek near Thomaston, Ga.	Lat 32°54'15", long 84°21'45", Upson County, Hydrologic Unit 03130005, at State Highway 74, 2.5 miles northwest of Thomaston.	186	1938-71†, 1979-80	10-18-78 8-7-80	42 18
02350600	Kinchafoonee Creek at Preston, Ga.	Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at State Highway 41, 1 mile southwest of Preston.	197	1952-77†, 1979-80	8-11-80	90
02353400	Pachitla Creek near Edison, Ga.	Lat 31°33'17", long 84°40'43", Calhoun County, Hydrologic Unit 03130009, at State Highway 37, 3.6 miles east of Edison.	188	1951, 1954, 1959-71†, 1973-74, 1979-80	8-5-80	52
		Mobile River Basin				
02379500	Cartecay River near Ellijay, Ga.	Lat 34°40'53", long 84°27'20", Gilmer County, Hydrologic Unit 03150102, at State Highway 52, 2 miles southeast of Ellijay.	c134	1937-76†, 1979-80	8-14-80	157
02382000	Scarecorn Creek at Hinton, Ga.	Lat 34°28'04", long 84°35'30", Pickens County, Hydrologic Unit 03150102, at State Highway 53, 0.2 mile southwest of Hinton.	c21.3	1939-42†, 1959-74†, 1980	8-13-80	8.8
02383000	Rock Creek near Fairmount, Ga.	Lat 34°21'32", long 84°46'46", Bartow County, Hydrologic Unit 03150102, at State Highway 140, 7 miles southwest of Fairmount.	c6.17	1952-74†, 1979-80	8-13-80	1.3
02389000	Etowah River near Dawsonville, Ga.	Lat 34°22'57", long 84°03'21", Dawson County, Hydrologic Unit 03150104, near State Highway 53, 4 miles southeast of Dawsonville.	c107	1940-76†, 1979-80	10-16-78 8-12-80	98 150
02389300	Shoal Creek near Dawsonville, Ga.	Lat 34°25'25", long 84°08'40", Dawson County, Hydrologic Unit 03150104, near State Highway 53, 1 mile west of Dawsonville.	c21.7	1958-74†, 1979-80	10-16-78 8-12-80	22 31
02392500	Little River near Roswell, Ga.	Lat 34°07'09", long 84°23'18", Fulton County, Hydrologic Unit 03150104, at State Highway 140, 7 miles north of Roswell.	c60.0	1947-76†, 1979-80	8-15-79 8-12-80	29 31

† Operated as a continuous-record gaging station.
a Approximately.
c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Discharge measurements made at miscellaneous sites during water year 1980--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		Mobile River Basin--Continued				
02394950	Hills Creek near Taylorsville, Ga.	Lat 34°04'27", long 84°57'02", Polk County, Hydrologic Unit 03150104, at county road, 2 miles southwest of Taylorsville.	c25.0	1959-74†, 1979-80	8-11-80	3.9
02397500	Cedar Creek near Cedartown, Ga.	Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at State Highway 161, 4.5 miles northwest of Cedartown.	c115	1943-73†, 1979-80	10-5-78 8-11-80	35 47
		Tennessee River Basin				
03568500	Chattanooga Creek near Flintstone, Ga.	Lat 34°58'20", long 85°19'40", Walker County, Hydrologic Unit 06020001, at county road, 2.3 miles north of Flintstone.	50.6	1951-74†, 1979-80	8-12-80	8.0

† Operated as a continuous-record gaging station.
c Revised.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	 Gage height (feet)	 Discharge (ft^3/s)
		Savannah River Basin					
02191280	Mill Shoal Creek near Royston, Ga.	Lat 34°16'13", long 83°06'08", Hart County, Hydrologic Unit 03060103, at culvert on State Highway 17, 1.2 miles southeast of Royston.	0.32	1964-80	5-21-80	4.39	133
02191300	Broad River above Carlton, Ga. (Prior to 1918 published as near Carlton.)	Lat 34°04'24", long 83°00'12", Madison-Elbert County line, Hydrologic Unit 03060104, at State Highway 72, 2.8 miles northeast of Carlton.	760	1898-1912, 1913-18g, 1920-80g	3-29-80	19.1	12,600
02191930	Buffalo Creek near Lexington, Ga.	Lat 33°46'40", long 83°03'01", Oglethorpe County, Hydrologic Unit 03060104, at culvert on State Highway 22, 7 miles southeast of Lexington.	5.80	1964-80	3-28-80	4.96	367
02192300	Hog Fork Fishing Creek tributary near Tignall, Ga.	Lat 33°49'05", long 82°43'21", Wilkes County, Hydrologic Unit 03060104, at culvert on State Highway 17, 4.2 miles south of Tignall.	.097	1959-80	3-28-80	6.28	20
02196570	Raes Creek tributary No. 2 at Augusta, Ga.	Lat 33°30'19", long 82°02'34", Richmond County, Hydrologic Unit 03060106, at culvert on Skinner Mill Road at junction with Boy Scout Road at Augusta.	.66	1979-80	7-20-79 3-17-80	5.96 5.77	126 119
02196725	Oates Creek at Augusta, Ga.	Lat 33°27'19", long 82°00'23", Richmond County, Hydrologic Unit 03060106, at culvert on White Road at Augusta.	2.13	1979-80	7-21-79 10-4-79	4.42 4.18	130 115
02196760	Rocky Creek tributary at Augusta, Ga.	Lat 33°27'07", long 82°02'57", Richmond County, Hydrologic Unit 03060106, at culvert on U.S. Highways 78 and 278 at Augusta.	1.65	1979-80	7-20-79 10-4-79	4.15 4.32	251 274
02197190	McBean Creek near McBean, Ga.	Lat 33°14'12", long 82°02'38", Richmond-Burke County line, Hydrologic Unit 03060106, at State Highway 21, 5.5 miles west of McBean.	41.4	1963-80	3-12-80	4.39	286
		Ogeechee River Basin					
02200400	Rocky Comfort Creek near Grange, Ga.	Lat 33°06'09", long 82°34'02", Jefferson County, Hydrologic Unit 03060201, at State Highway 88, 1.5 miles northeast of Grange.	188	1979-80	3-14-80	14.82	(†)
02200930	Ogeechee River tributary near Louisville, Ga.	Lat 32°35'20", long 82°18'49", Jefferson County, Hydrologic Unit 03060201, at culvert on State Highway 17, 8.5 miles southeast of Louisville.	14.2	1965-80	3-13-80	7.35	1,130
02200950	Ogeechee River near Wadley, Ga.	Lat 32°52'11, long 82°19'11", Jefferson County, Hydrologic Unit 03060201, at bridge on State Highway 78, 4.5 miles east of Wadley.	a990	1970-80	3-15-80	13.46	12,800

† Discharge not determined.
a Approximately.
g Maximum gage heights computed from graph based on gage readings.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Ogeechee River Basin--Continued					
02201350	Buckhead Creek near Waynesboro, Ga.	Lat 32°58'21", long 82°07'15", Burke County, Hydrologic Unit 03060201, at State Highway 56, 10 miles southwest of Waynesboro.	a64	1963-80	3-31-70	6.61	c1,550
					3-15-71	5.43	c513
					1-14-72	6.97	c2,040
					2-3-73	6.56	c1,490
					2-17-74	5.94	c897
					2-20-75	6.35	c1,250
					3-16-76	5.19	c380
					3-21-77	6.12	c1,040
					1-26-78	6.95	c2,010
					2-27-79	6.81	c1,870
					3-13-80	7.62	2,980
02201800	Richardson Creek near Millen, Ga.	Lat 32°43'23", long 81°58'35", Jenkins County, Hydrologic Unit 03060202, at State Highway 67, 6 miles south of Millen.	a43	1963-80	3-13-80	6.04	2,400
02202000	Ogeechee River at Scarboro, Ga.	Lat 32°42'38", long 81°52'46", Jenkins County, Hydrologic Unit 03060202, at abandoned highway bridge at Scarboro, and 7.5 miles southeast of Millen.	a1,940	1938-71‡, 1972-80	3-15-80	12.44	27,900
02202865	Canoochee River near Metter, Ga.	Lat 32°31'20", long 82°05'25", Candler County, Hydrologic Unit 03060203, at State Highways 23 and 121, 5 miles south of Metter.	194	1970-80	3-15-80	11.46	(†)
02202900	Fifteen Mile Creek near Metter, Ga.	Lat 32°23'33", long 82°00'55", Candler County, Hydrologic Unit 03060203, at State Highway 46, 2.5 miles east of Metter.	147	1963-80	3-15-80	7.06	2,890
02202910	Ten Mill Creek tributary at Pulaski, Ga.	Lat 32°23'18", long 81°58'17", Candler County, Hydrologic Unit 03060203, at culvert on State Highway 46, 0.8 mile west of Pulaski.	1.14	1965-80	3-13-80	3.42	61
02203280	Canoochee River near Daisy, Ga.	Lat 32°08'54", long 81°46'54", Evans County, Hydrologic Unit 03060203, at U.S. Highway 280, 3 miles east of Daisy.	833	1970-80	3-17-80	13.56	7,610
		Altamaha River Basin					
02203800	South River at Atlanta, Ga.	Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at Bouldercrest Drive at Atlanta.	41.5	1951-80	2-22-62	7.43	c3,200
					12-26-64	5.45	c2,200
					8-23-67	8.29	c3,700
					3-12-68	8.05	c3,500
					1-10-72	6.59	c2,900
					4-2-75	6.31	c2,800
					8-21-77	5.90	c2,400
					5-23-80	10.13	6,200
02203835	Shoal Creek near Atlanta, Ga.	Lat 33°44'48", long 84°16'50", DeKalb County, Hydrologic Unit 03070103, at culvert on Line Street near Atlanta.	3.43	1974-80	5-23-80	9.29	2,140
02203845	Shoal Creek triburary near Atlanta, Ga.	Lat 33°43'05", long 84°15'45", DeKalb County, Hydrologic Unit 03070103, at culvert on Glendale Drive near Atlanta.	.84	1973-78 1980	5-23-80	4.39	358
02203870	Cobbs Creek near Atlanta, Ga.	Lat 33°43'44", long 84°14'17", DeKalb County, Hydrologic Unit 03070103, at culvert on Snapfinger Road, near Atlanta.	3.68	1963-66, 1974-80	5-23-80	6.25	(†)
02203884	Conley Creek near Forest Park, Ga.	Lat 33°38'08", long 84°20'37", Clayton County, Hydrologic Unit 03070103, at culvert on Rock Cut Road, near Forest Park.	1.88	1973-78, 1980	6-24-80	7.71	1,010

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

c Revised.

Crest-stage partial-record stations—Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Altamaha River Basin—Continued					
02204135	Camp Creek tributary near Stockbridge, Ga.	Lat 33°34'35", long 84°08'50", Henry County, Hydrologic Unit 03070103, at culvert on State Route 155, 5 miles northeast of Stockbridge.	0.28	1977-80	3-28-80	4.35	28
02206500	Yellow River near Snellville, Ga.	Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, on left bank at downstream side of county highway bridge, 3.2 miles west of Snellville.	134	1943-71‡, 1973-80	5-24-80	14.85	5,070
02211300	Towaliga River near Jackson, Ga.	Lat 33°15'50", long 84°04'17", Butts County, Hydrologic Unit 03070103, at bridge on State Highway 16, 6.5 miles west of Jackson.	a105	1961-71‡, 1972-80	3-28-80	11.27	2,860
02213350	Tobesofkee Creek below Forsyth, Ga.	Lat 32°59'37", long 83°56'41", Monroe County, Hydrologic Unit 03070103, at State Highway 42, 3 miles west of Forsyth.	53.4	1963-72, 1974-80	4-5-74 4-3-75 5-29-76 3-22-77 1-25-78 2-24-79 3-13-80	4.6 4.9 3.93 4.0 3.2 3.0 4.03	6,000 6,500 5,100 5,200 4,200 3,900 5,240
02214280	Savage Creek near Bullard, Ga.	Lat 32°35'34", long 83°28'11", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 23, 3 miles southeast of Bullard.	33.0	1979-80	3-13-80	11.49	(†)
02214820	Mossy Creek near Perry, Ga.	Lat 32°31'15", long 83°43'23", Houston County, Hydrologic Unit 03070104, at U.S. Highway 41, 4.5 miles north of Perry.	92.9	1979-80	3-13-80	8.19	(†)
02215000	Ocmulgee River at Hawkinsville, Ga.	Lat 32°16'50", long 83°27'40", Pulaski County, Hydrologic Unit 03070104, at U.S. Highway 341, at Hawkinsville, and at mile 135.1.	a3,800	1877g, 1909-80g	3-16-80	26.6	35,100
02215245	Folsom Creek tributary near Rochelle, Ga.	Lat 32°00'15", long 83°25'58", Wilcox County, Hydrologic Unit 03070104, at culvert on State Highway 233, 4 miles north of Rochelle.	1.44	1965-80	3-13-80	3.91	177
02217400	Mulberry River tributary near Winder, Ga.	Lat 34°03'53", long 83°39'45", Jackson County, Hydrologic Unit 03070101, at culvert on State Highway 11, 6 miles northeast of Winder.	2.68	1965-80	3-28-80	3.32	e400
02217905	Tanyard Creek at Athens, Ga.	Lat 33°57'05", long 83°22'42", Clarke County, Hydrologic Unit 03070101, at culvert on Baxter Street at Athens.	.56	1979-80	7-19-79 5-20-80	9.06 7.54	534 339
02218450	Town Creek near Greensboro, Ga.	Lat 33°38'29", long 83°13'36", Greene County, Hydrologic Unit 03070101, at State Highway [illegible], 5 miles northwest of Greensboro.	11.9	1964-80	3-28-80	6.28	378
02223349	Big Sandy Creek tributary near Irwinton, Ga.	Lat 32°48'11", long 83°13'37", Wilkinson County, Hydrologic Unit 03070102, at culvert on county road, 1.7 miles southwest of Irwinton.	a0.50	1978-80	3-13-80	2.26	40
02223360	Big Sandy Creek near Irwinton, Ga.	Lat 32°45'59", long 83°10'05", Wilkinson County, Hydrologic Unit 03070102, at bridge on U.S. Highway 441, 2 miles south of Irwinton.	177	1970-80	3-13-80	6.20	3,400

† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Approximately.
e Estimated.
g Maximum gage heights computed from graph based on gage readings.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Altamaha River Basin--Continued					
02224500	Oconee River near Mount Vernon, Ga.	Lat 32°11'28", long 82°38'00", Montgomery-Wheeler County line, Hydrologic Unit 03070102, at U.S. Highway 280, 2 miles west of Mount Vernon, at mile 28.7.	a5,110	1936, 1938-55‡, 1956-80g	3-18-80	20.7	49,600
02225150	Ohoopee River near Wrightsville, Ga.	Lat 32°42'50", long 82°45'20", Johnson County, Hydrologic Unit 03070107, at U.S. Highway 319, 2.5 miles west of Wrightsville.	a55	1963-80	3-13-80	10.09	3,540
02225250	Little Ohoopee River near Swainsboro, Ga.	Lat 32°33'44", long 82°28'03", Emanuel County, Hydrologic Unit 03070107, at U.S. Highway 80, 9 miles west of Swainsboro.	216	1970, 1972, 1980	4-1-70 1-14-72 3-14-80	c8.30 c8.12 10.42	3,700 3,480 6,870
02225320	Ohoopee River near Aline, Ga.	Lat 32°20'53", long 82°14'52", Candler-Emanuel County line, Hydrologic Unit 03070107, at bridge on county road, 5 miles west of Aline.	698	1975, 1980	2-21-75 3-16-80	14.86 17.25	7,850 15,200
02225330	Beaver Creek near Cobbtown, Ga.	Lat 32°16'52", long 82°11'27", Tattnall County, Hydrologic Unit 03070107, at culvert on State Highway 152, 3.2 miles west of Cobbtown.	9.58	1965-80	3-13-80	4.26	204
02225350	Pendleton Creek tributary No. 2 near Soperton, Ga.	Lat 32°25'35", long 82°29'52", Treutlen County, Hydrologic Unit 03070107, at culvert on State Highway 86, 6.5 miles northeast of Soperton.	1.68	1965-80	3-13-80	2.46	119
02225850	Beards Creek near Glennville, Ga.	Lat 31°55'26", long 81°52'58", Tattnall-Long County line, Hydrologic Unit 03070106, at State Highway 144, 3 miles east of Glennville.	74.4	1966-80	4-5-80	5.56	936
02226030	Doctors Creek near Ludowici, Ga.	Lat 31°44'07", long 81°42'08", Long County, Hydrologic Unit 03070106, at State Highway 38, 3 miles northeast of Ludowici.	a33	1966-80	3-13-80	7.89	677
		Satilla River Basin					
02226190	Little Creek (formerly published as 02226150, Satilla River tributary) near Willacoochee, Ga.	Lat 31°27'24", long 83°03'02", Coffee County, Hydrologic Unit 03070201, at culvert on State Highway 149, 8.5 miles north of Willacoochee.	6.38	1965-80	3-13-80	3.71	262
02226465	Dryden Creek near Dixie Union, Ga.	Lat 31°20'23", long 82°28'43", Ware County, Hydrologic Unit 0307201, at culvert on county road, 0.7 mile west of Dixie Union.	14.7	1978-80	3-13-80	6.85	(†)
02226580	Big Creek near Hoboken, Ga.	Lat 31°10'28", long 82°11'17", Brantley County, Hydrologic Unit 03070201, at State Highway 50, 2.5 miles west of Hoboken.	a49	1966-80	3-14-80	8.50	720
02227000	Hurricane Creek near Alma, Ga.	Lat 31°34'00", long 82°27'50", Bacon County, Hydrologic Unit 03070201, at bridge on U.S. Highway 1, 1.5 miles north of Alma.	150	1952-71‡, 1972-80	3-14-80	7.12	1,830
02227290	Alabaha River near Blackshear, Ga.	Lat 31°33'44", long 82°28'03", Pierce County, Hydrologic Unit 03070201, at bridge on State Highways 15 and 121, 3 miles north of Blackshear.	a411	1970-80	3-14-80	14.84	7,010

† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Approximately.
c Revised.
g Maximum gage heights computed from graph based on gage readings.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Satilla River Basin--Continued					
02227422	Crooked Creek tributary near Bristol, Ga.	Lat 31°26'24", long 82°15'03", Pierce County, Hydrologic Unit 03070202, on county road, 2 miles west of Bristol.	0.42	1976-80	3-13-80	1.69	34
02227990	Satilla River tributary No. 2 at Atkinson, Ga.	Lat 31°13'32", long 81°51'10", Brantley County, Hydrologic Unit 03070201, on county road, 0.3 mile north of Atkinson.	.38	1977-80	3-13-80	1.24	43
02228050	Buffalo Creek at Hickox, Ga.	Lat 31°09'22", long 81°59'29", Brantley County, Hydrologic Unit 03070201, at State Highway 23, at Hickox.	a59	1966-80	3-14-80	6.69	(†)
02228055	Satilla River tributary No. 3 near Winokur, Ga.	Lat 30°59'59", long 81°57'30", Charlton County, Hydrologic Unit 03070201, at county road, 5.3 miles southeast of Winokur.	1.91	1980	3-13-80	6.71	(†)
		Suwannee River basin					
02314700	Suwannoochee Creek near Thelma, Ga.	Lat 30°49'18", long 82°50'28", Clinch-Echols County line, Hydrologic Unit 03110201, at State Highway 187, 1.2 miles west of Thelma.	232	1929, 1963-80	3-16-80	6.66	872
02316390	Alapaha River at Lakeland, Ga.	Lat 31°02'46", long 83°02'37", Lanier County, Hydrologic Unit 03110202, at bridge on U.S. Highways 129 and 221 at Lakeland.	1,080	1970-80	3-20-80	18.85	7,950
02317710	Withlacoochee River tributary near Nashville, Ga.	Lat 31°11'54", long 83°17'17", Berrien County, Hydrologic Unit 03110202, at culvert on State Highway 76, 2.2 miles southwest of Nashville.	.86	1960-80	3-13-80	2.75	66
02317734	New River near Nashville, Ga.	Lat 31°10'37", long 83°19'20", Berrien-Cook County line, Hydrologic Unit 03110203, at bridge on State Highway 76, 5 miles west of Nashville.	146	1970-80	3-13-80	11.26	3,570
02317775	Daniels Creek near Ashburn, Ga.	Lat 31°40'40", long 83°45'06", Turner County, Hydrologic Unit 03110204, at culvert on State Highway 32, 6.2 miles west of Ashburn.	1.11	1965-80	1-4-77 3-13-80	1.60 2.40	c45 117
02317780	Lime Sink Creek near Sycamore, Ga.	Lat 31°36'20", long 83°40'31", Turner County, Hydrologic Unit 03110204, at culvert on secondary road 1181, 4.5 miles southwest of Sycamore.	.68	1965-80	4-5-80	3.97	126
02317810	Little River tributary No. 2 near Tifton, Ga.	Lat 31°25'30", long 83°34'23", Tift County, Hydrologic Unit 03110304, at culvert on secondary road 546, 4 miles southwest of Tifton.	.47	1965-80	4-5-80	4.07	140
02317870	Warrior Creek near Sumner, Ga.	Lat 31°21'45", long 83°46'11", Worth County, Hydrologic Unit 03110204, at county road, 10.8 miles south of Sumner.	a109	1966-80	5-25-76 3-9-77 1-29-78 2-27-79 4-7-80	c12.25 c12.41 c13.20 c13.13 13.34	c1,620 c1,770 c2,590 c2,510 2,780
02318600	Okapilco Creek near Berlin, Ga.	Lat 31°02'48", long 83°37'02", Colquitt County, Hydrologic Unit 03110203, on county road, 1 mile south of Berlin.	101	1963-80	3-13-80	10.59	2,310
02318725	Okapilco Creek at Quitman, Ga.	Lat 30°47'09", long 83°31'34", Brooks County, Hydrologic Unit 03110203, at U.S. Highway 84 at Quitman.	278	1970-73, 1978-80	3-15-80	12.66	3,590

† Discharge not determined.
a Approximate.
c Revised

Crest-stage partial-record stations--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (feet)	Discharge (ft³/s)
		Aucilla River Basin					
02326200	Aucilla River near Boston, Ga.	Lat 30°46'44", long 83°48'12", Thomas County, Hydrologic Unit 03110103, at bridge on State Highway 133, 1.2 miles south of Boston.	a81	1962-80	3-4-66 7-4-67 3-24-70 1-4-72 11-30-76 1-27-78 5-11-79 3-14-80	7.07 6.08 6.58 6.83 6.95 5.71 6.64 6.60	c1,840 c864 c1,280 c1,560 c1,700 c626 c1,340 1,300
		Ochlockonee River Basin					
02327350	Ochlockonee River tributary near Coolidge, Ga.	Lat 31°01'33", long 83°57'32", Thomas County, Hydrologic Unit 03120002, at culvert on State Highway 202, 5.5 miles west of Coolidge.	1.81	1965-80	4-5-80	3.22	328
02327550	Barnetts Creek near Meigs, Ga.	Lat 31°01'32", long 84°08'14", Grady County, Hydrologic Unit 03120002, at State Highway 111, 4.2 miles southwest of Meigs.	15.0	1965-75, 1978-80	4-5-80	4.78	718
02327810	Ochlockonee River near Cairo, Ga.	Lat 30°47'30", long 84°09'16", Grady County, Hydrologic Unit 03120002, at bridge on State Highway 93, 5 miles south of Cairo.	747	1970-80	3-16-80	23.00	9,160
02327860	Popple Branch near Whigham, Ga.	Lat 30°55'36", long 84°15'18", Grady County, Hydrologic Unit 03120002, at culvert on State Highway 179, 3.2 miles north of Whigham.	1.71	1977-80	4-5-80	3.35	191
		Apalachicola River Basin					
02336080	North Fork Peachtree Creek near Chamblee, Ga.	Lat 33°51'43", long 84°17'13", DeKalb County, Hydrologic Unit 03130001, at culvert on Shallowford Road near Chamblee.	19.1	1974-80	5-23-80	12.86	2,570
02336090	North Fork Peachtree Creek tributary near Chamblee, Ga.	Lat 33°50'53", long 84°17'57", DeKalb County, Hydrologic Unit 03130001, at culvert on Meadowcliff Drive, near Chamblee.	.32	1974-80	8-31-79 5-23-80	8.37 11.13	197 343
02336102	North Fork Peachtree Creek tributary near Atlanta, Ga.	Lat 33°50'20", long 84°19'19", DeKalb County, Hydrologic Unit 03130001, at culverts on Drew Valley Road near Atlanta.	2.19	1973-78, 1980	5-23-80	5.21	509
02336238	South Fork Peachtree Creek tributary near Atlanta, Ga.	Lat 33°47'11", long 84°20'29", DeKalb County, Hydrologic Unit 03130001, at culvert on East Rock Springs Road, near Atlanta.	.90	1974-80	5-23-80	4.56	592
02336697	South Utoy Creek tributary No. 1 (prior to 1978 published as South Utoy Creek) at East Point, Ga.	Lat 33°41'51", long 84°27'33", Fulton County, Hydrologic Unit 03130002, at culvert on Woodberry Avenue, at East Point.	.21	1974-80	5-23-80	4.18	124
02336700	South Utoy Creek tributary at East Point, Ga.	Lat 33°41'25", long 84°28'05", Fulton County, Hydrologic Unit 03130002, at culvert on Headland Drive, at East Point.	.79	1964-69‡, 1970-78, 1980	5-23-80	5.50	390
02336705	South Utoy Creek at Atlanta, Ga.	Lat 33°42'57", long 84°28'41", Fulton County, Hydrologic Unit 03130002, at culvert on Adams Drive, at Atlanta.	8.80	1974-80	3-8-80	7.35	2,560

‡ Operated as a continuous-record gaging station.
a Approximate.
c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft³/s)
		Apalachicola River Basin--Continued					
02337448	Hurricane Creek tributary near Fairplay, Ga.	Lat 33°35'03", long 84°50'54", Douglas County, Hydrologic Unit 03130002, at culvert on State Highway 5, 8 miles east of Fairplay.	0.33	1977-80	6-24-80	5.82	91
02341542	Flat Rock Creek at Columbus, Ga.	Lat 32°32'57", long 84°53'07", Muscogee County, Hydrologic Unit 03130003, at bridge on Warm Springs Road, at Columbus.	6.54	1977-80	8-3-77 1-25-78 4-13-79 4-13-80	7.21 5.90 5.89 5.80	(†) (†) (†) (†)
02341544	Hill Branch at Columbus, Ga.	Lat 32°28'19", long 84°53'58", Muscogee County, Hydrologic Unit 03130003, at culvert on Chalbena Road, at Columbus.	1.58	1977-80	1-18-80	4.75	465
02341546	Bull Creek tributary at Columbus, Ga.	Lat 32°28'38", long 84°55'36", Muscogee County, Hydrologic Unit 03130003, at culvert on Woodland Drive, at Columbus.	.26	1977-80	4-13-80	4.65	880
02341548	Lindsey Creek tributary at Columbus, Ga.	Lat 32°31'33", long 84°56'21", Muscogee County, Hydrologic Unit 03130003, at culvert on Canberra Avenue, at Columbus.	1.42	1977-80	8-14-80	7.00	840
02341600	Juniper Creek near Geneva, Ga.	Lat 32°31'41", long 84°34'14", Talbot-Marion County line, Hydrologic Unit 03130003, at State Highway 41, 1.8 miles south of Geneva.	47.4	1963-80	3-13-80	6.99	716
02341723	Pine Knot Creek near Juniper, Ga.	Lat 32°26'14", long 84°39'25", Marion County, hydrologic Unit 03130003, at State Highway 355, 8 miles south of Juniper.	31.3	1979-80	4-5-80	5.97	(†)
02341900	Ochillee Creek near Cusseta, Ga.	Lat 32°21'53", long 84°49'02, Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5 miles northwest of Cusseta.	53.3	1979-80	3-15-80	11.63	(†)
02343219	Bluff Springs Branch near Lumpkin, Ga.	Lat 32°01'53", long 84°53'18", Stewart County, Hydrologic Unit 03130003, at culvert on State Highway 27, 5.8 miles southwest of Lumpkin.	2.98	1977-80	3-30-80	1.97	121
02343267	Temple Creek near Blakely, Ga.	Lat 31°26'34", long 84°59'00", Early County, Hydrologic Unit 03130004, at culvert on State Route 39, 5.2 miles north of Blakely.	2.78	1978-80	1-26-78 2-25-79 4-5-80	c2.03 c1.79 1.81	c110 c60 80
02346193	Scott Creek near Talbotton, Ga.	Lat 32°39'48", long 84°36'06", Talbot County, Hydrologic Unit 03130005, at culvert on county road, 3.7 miles west of Talbotton.	3.36	1969-80	3-8-80	6.83	838
02346210	Kimbrough Creek near Talbotton, Ga.	Lat 32°41'19", long 84°30'48", Talbot County, Hydrologic Unit 03130005, at culvert on State Highway 22, 1.8 miles southeast of Talbotton.	6.62	1969-80	1-25-78 2-24-79 3-8-80	4.70 4.28 5.41	1,120 953 1,300
02346217	Celeoth Creek near Manchester, Ga.	Lat 32°49'20", long 84°36'16", Talbot County, Hydrologic Unit 03130005, at culvert on county road, 2.2 miles south of Manchester.	2.82	1969-80	3-8-80	3.76	705
02348300	Patsiliga Creek near Reynolds, Ga.	Lat 32°34'20, long 84°05'27", Taylor County, Hydrologic Unit 03130005, at State Highway 128, 1 mile north of Reynolds.	139	1963-80	3-14-80	7.16	1,170
02348485	Whitewater Creek near Butler, Ga.	Lat 32°30'14", long 84°20'03", Taylor County, Hydrologic Unit 03130005, at State Highway 137, 6.5 miles southwest of Butler.	17.3	1980	3-13-80	7.51	(†)

† Discharge not determined.
c Revised.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Apalachicola River Basin--Continued					
02349030	Cedar Creek near Rupert, Ga.	Lat 32°23'21", long 84°17'49", Taylor County, Hydrologic Unit 03130005, at U.S. Highway 19, 3 miles south of Rupert.	41.1	1980	3-13-80	3.40	(†)
02349330	Buck Creek tributary near Tazewell, Ga.	Lat 32°20'50", long 84°22'26", Schley County, Hydrologic Unit 03130006, at culvert on State Highway 240, 4.3 miles east of Tazewell.	a0.40	1977-80	3-13-80	1.70	15
02349350	Buck Creek near Ellaville, Ga.	Lat 32°18'35", long 84°17'36", Schley County, Hydrologic Unit 03130006, at U.S. Highway 19, 5 miles north of Ellaville.	146	1979-80	4-14-80	7.59	(†)
02349695	Horsehead Creek near Montezuma, Ga.	Lat 32°21'28", long 83°56'11", Macon County, Hydrologic Unit 03130006, at culvert on State Highway 224, 8.7 miles northeast of Montezuma.	.72	1977-80	4-14-80	3.90	83
02350685	Choctahatchee Creek tributary near Plains, Ga.	Lat 32°02'02", long 84°25'59", Sumter County, Hydrologic Unit 03130007, at culvert on U.S. Highway 280, 2.4 miles west of Plains.	.32	1977-80	3-13-80	--	e15
02351500	Muckalee Creek near Americus, Ga.	Lat 32°04'59", long 84°15'29", Sumter County, Hydrologic Unit 03130007, at State Highway 30, 1 mile west of Americus.	140	1963-80	4-27-73	c8.77	c2,650
					4-6-74	c6.61	c925
					2-20-75	c9.16	c3,090
					5-16-76	c6.89	c1,070
					3-10-77	c7.38	c1,390
					1-27-78	c9.51	c3,510
					c2-25-79	c8.18	c2,050
					3-14-80	7.31	1,340
02353100	Ichawaynochaway Creek near Dawson, Ga.	Lat 31°46'18", long 84°33'45", Terrell County, Hydrologic Unit 03130009, at State Highway 50, 7 miles west of Dawson.	118	1963-80	3-31-80	7.46	972
02354500	Chickasawhatchee Creek at Elmodel, Ga.	Lat 31°21'09", long 84°29'10', Baker County, Hydrologic Unit 03130009, at bridge on State Highway 37 at Elmodel, and 2 miles upstream from mouth.	a320	1940-49‡, 1952-65, 1970-80	2-19-52	6.75	c1,320
					5-8-53	6.98	c1,390
					12-30-53	8.87	c2,140
					4-2-56	6.23	c1,170
					4-8-57	6.53	c1,260
					4-10-58	9.56	c2,480
					3-7-59	8.91	c2,160
					4-6-60	11.80	c3,860
					4-17-61	10.70	c3,120
					4-1-62	6.46	c1,240
					2-14-63	6.59	c1,280
					3-5-64	11.38	c3,570
					12-5-64	9.50	c2,450
					4-2-70	11.76	c3,830
					3-10-71	9.04	c2,220
					4-1-72	8.84	c2,120
					2-3-73	10.92	c3,250
					2-9-74	9.32	c2,300
					4-16-75	11.66	c3,760
					5-17-76	9.92	c2,660
					11-3-76	9.34	c2,370
					1-27-78	12.38	c4,300
					3-9-79	10.43	c2,760
					3-17-80	10.85	3,210
02356100	Spring Creek near Arlington, Ga.	Lat 31°24'47", long 84°46'33", Early County, Hydrologic Unit 03130010, at State Highway 62, 3.5 miles southwest of Arlington.	a49	1951-65, 1970-73, 1975-80	3-15-80	8.69	3,720

† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Approximate.
c Revised.
e Estimated.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River Basin					
02381300	Fir Creek near Ellijay, Ga.	Lat 34°41'06", long 84°37'23", Gilmer County, Hydrologic Unit 03150102, at culvert on State Highway 282, 8 miles west of Ellijay.	1.35	1966-80	3-8-80	2.65	98
02384500	Conasauga River near Eton, Ga.	Lat 34°49'40", long 84°51'03", Murray-Whitfield County line, Hydrologic Unit 03250101, at State Highway 286, 5 miles west of Eton.	c252	1954-58, 1963-80	4-14-80	14.04	18,200
02384600	Mill Creek tributary near Eton, Ga.	Lat 34°49'38", long 84°48'58", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 286, 3 miles west of Eton.	4.28	1965-80	4-14-80	5.46	374
02387300	Dead Mans Branch near Resaca, Ga.	Lat 34°35'44", long 84°52'11", Gordon County, Hydrologic Unit 03150101, at culvert on State Highway 225, 4.2 miles east of Resaca.	.17	1965-80	4-13-80	3.70	73
02388200	Storey Mill Creek (prior to 1974 published as Moss Creek tributary) near Summerville, Ga.	Lat 34°25'39", long 85°16'03", Chattooga County, Hydrologic Unit 03150103, at culvert on county road, 6 miles southeast of Summerville.	6.02	1966-80	3-17-80	6.80	864
02395990	Etowah River tributary near Rome, Ga.	Lat 34°16'02", long 85°08'18", Floyd County, Hydrologic Unit 03150104, at culvert on Atteiram Drive near Rome.	.37	1979-80	4-13-79 7-24-80	7.20 5.46	190 116
02396515	Silver Creek tributary No. 2 near Rome, Ga.	Lat 34°13'08", long 85°10'27", Floyd County, Hydrologic Unit 03150104, at culvert on U.S. Highways 27 and 411, at junction with Old Lindale Road, near Rome.	.54	1979-80	9-28-79 3-17-80	4.15 3.90	96 74
02396550	Silver Creek tributary No. 3 at Rome, Ga.	Lat 34°13'26", long 85°09'14", Floyd County, Hydrologic Unit 03150104, at culvert on U.S. Highway 27, 0.4 mile north of U.S. Highway 411 interchange, at Rome.	.26	1979-80	9-28-79 5-22-80	5.06 4.62	181 123
02411735	McClendon Creek tributary near Dallas, Ga.	Lat 33°50'59", long 84°57'20", Paulding County, Hydrologic Unit 03150108, at culvert on State Highway 120, 9.3 miles southwest of Dallas.	.88	1978-80	4-13-80	3.65	240
02411902	Mann Creek tributary near Tallapoosa, Ga.	Lat 33°51'16", long 85°17'28" Haralson County, Hydrologic Unit 03150108, at culvert on State Highway 100, 7 miles north of Tallapoosa.	.12	1978-80	3-13-80	4.89	87

c Revised.

Peak discharge at miscellaneous sites

The following table contains peak discharges at sites not included in the continuous gaging or crest-stage partial-record program. These discharges are generally obtained for discontinued gaging stations, discontinued crest-stage partial-record stations, or other miscellaneous sites to give better areal coverage of flood events.

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Ogeechee River Basin					
02200100	Little Ogeechee River at Hamburg, Ga.	Lat 33°12'25", long 82°46'38", Washington County, Hydrologic Unit 03060201, at State Highway 248, at Hamburg.	a55	1951-76††, 1980	3-14-80	6.00	d2,200
02200500	Ogeechee River near Louisville, Ga.	Lat 32°58'03", long 82°23'26", Jefferson County, Hydrologic Unit 03060201, at U.S. Highway 1, 2 miles south of Louisville.	a800	1930, 1936, 1937-49‡, 1950-66††, 1980	3-14-80	15.77	d11,000
02200900	Big Creek near Louisville, Ga.	Lat 32°59'00", long 82°21'23", Jefferson County, Hydrologic Unit 03060201, at State Highway 17, 3.2 miles southeast of Louisville.	95.8	1951-76††, 1980	3-14-80	6.16	d1,680
02202800	Canoochee Creek near Swainsboro, Ga.	Lat 32°36'19", long 82°15'21", Emanuel County, Hydrologic Unit 03060203, at U.S. Highway 80, 4.8 miles east of Swainsboro.	a55	1951-76††, 1980	3-13-80	7.94	d2,000
02202810	Rock Creek near Swainsboro, Ga.	Lat 32°37'29", long 82°19'04", Emanuel County, Hydrologic Unit 03060203, at culvert on State Highway 56, 2 miles north of Swainsboro.	5.05	1965-74††, 1980	3-13-80	4.00	d400
02202820	Reedy Creek near Twin City, Ga.	Lat 32°35'40", long 82°12'23", Emanuel County, Hydrologic Unit 03060203, at culvert on U.S. Highway 80, 2.5 miles west of Twin City.	8.99	1965-74††, 1980	3-13-80	5.79	d1,180
02202850	Reedy Branch near Metter, Ga.	Lat 32°28'43", long 82°07'45", Candler County, Hydrologic Unit 03060203, at culvert on State Highway 23, 7.5 miles northwest of Metter.	3.41	1965-74††, 1980	3-13-80	6.35	d208
		Altamaha River Basin					
02223200	Commissioner Creek at Toomsboro, Ga.	Lat 32°49'53", long 83°04'43", Wilkinson County, Hydrologic Unit 03070102, at State Highway 112, at Toomsboro.	191	1928 or -29, 1949-76††, 1980	3-14-80	19.09	d6,920
02225200	Little Ohoopee River near Wrightsville, Ga.	Lat 32°47'20", long 82°33'02", Johnson County, Hydrologic Unit 03070107, at U.S. Highway 319, 2.5 miles northwest of Wrightsville.	a63	1951-76††, 1980	3-13-80	10.48	d5,240
02225210	Hurricane Branch near Wrightsville Ga.	Lat 32°47'00", long 82°34'42", Johnson County Hydrologic Unit 03070107, at culvert on U.S. Highway 319, 9 miles northwest of Wrightsville.	3.53	1965-74††, 1980	3-13-80	4.10	d600
02225240	Little Ohoopee River tributary near Kite, Ga.	Lat 32°40'12", long 82°26'45", Emanuel County, Hydrologic Unit 03070107, at culvert on State Highway 57, 5 miles southeast of Kite.	7.22	1965-74††, 1980	3-13-80	6.10	d700
		Apalachicola River Basin					
02331000	Chattahoochee River near Leaf, Ga.	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State Highway 115, 1.5 miles east of Leaf.	150	1940-71‡, 1972-80	3-21-80	8.95	d6,940

‡ Operated as a continuous-record gaging station.
†† Operated as a crest-stage partial-record station.
a Approximately.
c Revised.
d Annual maximum.

Peak discharge at miscellaneous sites--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River Basin					
02379500	Cartecay River near Ellijay, Ga.	Lat 34°40'53", long 84°27'20", Gilmer County, Hydrologic Unit 03150102, on right bank adjacent to State Highway 52, 2 miles southeast of Ellijay.	c134	1938-76‡, 1979-80	3-21-80	7.10	d5,300
02389000	Etowah River near Dawsonville, Ga.	Lat 34°22'57", long 84°03'21", Dawson County, Hydrologic Unit 03150104, on left bank 0.5 miles upstream of State Highway 53, 4 miles southeast of Dawsonville.	c107	1940-76‡, 1979-80	4-13-79	11.84	d4,400
					3-21-80	12.47	d4,800
02397500	Cedar Creek near Cedartown, Ga.	Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, on left bank 700 ft downstream from bridge on county road, 4.5 miles northwest of Cedartown.	c115	1943-73‡, 1974, 1977, 1979	4-4-74	16.4	d10,800
					3-30-77	15.98	c9,970
					3-5-79	19.4	d17,000

‡ Operated as a continuous-record gaging station.
†† Operated as a crest-stage partial-record station.
a Approximately.
c Revised.
d Annual maximum.

A series of base-flow discharge measurements was made on selected streams in the Dougherty Plain area, southwest Georgia, and are listed below. The measurements were made as part of a cooperative investigation of the U.S. Geological Survey with the Georgia Geologic Survey to define the water resources of the Dougherty Plain. This series of measurements were made between August 4-7, 1980, when streamflows were considered primarily due to ground-water discharge and when evaporation-transpiration and irrigation withdrawal rates were high. This data, along with other data collected by the U.S. Geological Survey will be used to evaluate the effects of large irrigation withdrawals of ground water and high ET losses upon the base-flow yields of streams and to provide a method of validating the accuracy of water budgets determined from digital modeling of the Dougherty Plain area, southwest Georgia. The column headed "Period of record" shows the water years in which base-flow measurements were made at the same site.

Base-flow discharge measurements made in the Dougherty Plain area

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Apalachicola River Basin				
02349800	Flint River near Methvins, Ga.	Lat 32°07'28", long 84°00'43", Sumter-Crisp County line, Hydrologic Unit 03130006, at boat landing 4 miles east of Warwick.	a3,200	1979-80	8-4-80	1,070
02349910	Turkey Creek near Drayton, Ga.	Lat 32°06'13", long 83°56'23", Dooly County, Hydrologic Unit 03130006, at county road 2 miles northeast of Drayton.	76.0	1980	8-6-80	10
02349980	Pennahatchee Creek near Drayton, Ga.	Lat 32°05'43", long 83°55'04", Dooly County, Hydrologic Unit 03130006, at county road 3 miles east of Drayton.	102	1980	8-6-80	1.5
02350070	Lime Creek near Desota, Ga.	Lat 32°01'55", long 84°03'08", Sumter County, Hydrologic Unit 03130006, at State Highway 195, 5 miles north of Desota.	35.9	1980	8-5-80	21
02350220	Gum Creek at Coney, Ga.	Lat 31°57'40", long 83°53'05", Crisp County, Hydrologic Unit 03130006, at U.S. Highway 280 at Coney.	73.0	1974, 1980	8-5-80	14
02350360	Swift Creek near Warwick, Ga.	Lat 31°50'20", long 83°51'18", Worth-Crisp County line, Hydrologic Unit 03130006, at county road 4 miles east of Warwick.	40.0	1980	8-5-80	15
02350509	Jones Creek near Oakfield, Ga.	Lat 31°45'33", long 83°58'42", Worth County, Hydrologic Unit 03130006, at State Highway 257, 1.5 miles south of Oakfield.	50.5	1980	8-5-80	7.1
02350524	Abrams Creek near Oakfield, Ga.	Lat 31°43'07", long 83°59'19", Worth County, Hydrologic Unit 03130006, at State Highway 257, 4 miles south of Oakfield.	80.2	1980	8-4-80	12
02350543	Piney Woods Creek above Albany, Ga.	Lat 31°36'08", long 84°02'58", Dougherty County, Hydrologic Unit 03130006, at State Highway 257, 2 miles northeast of city limits of Albany.	60.4	1955, 1980	8-4-80	0
02350860	Kinchafoonee Creek near Smithville, Ga.	Lat 31°52'06", long 84°18'18", Lee-Terrell County line, Hydrologic Unit, 03130007, at State Highway 118, 4 miles west of Smithville.	485	1954, 1980	8-5-80	66
02351000	Kinchafoonee Creek near Leesburg, Ga.	Lat 31°43'10", long 84°11'08", Lee County, Hydrologic Unit 03130007, at State Highway 32, 1 miles west of Leesburg.	586	1953-54, 1980	8-5-80	105
02351700	Muckalee Creek near Smithville, Ga.	Lat 31°53'43", long 84°11'51", Lee County, Hydrologic Unit 03130007, at State Highway 118, 3 miles east of Smithville.	265	1951, 1953-54, 1959-61, 1964-68, 1980	8-5-80	39
02351780	Muckaloochee Creek near Americus, Ga.	Lat 31°58'37", long 84°18'12", Sumter County, Hydrologic Unit 03130007, at State Highway 49, 9 miles southwest of Americus.	27.1	1980	8-7-80	8.9

a Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Base-flow discharge measurements made in the Dougherty Plain area--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02351800	Muckaloochee Creek at Smithville, Ga.	Lat 31°54'24", long 84°14'42", Lee County, Hydrologic Unit 03130007, at State Highway 118 at Smithville.	a47	1951, 1954, 1959, 1961, 1964-68, 1973, 1980	8-5-80	16
02351920	Muckalee Creek below Leesburg, Ga.	Lat 31°40'14", long 84°06'07", Lee County, Hydrologic Unit 03130007, at head of Lake Worth, 6 miles southeast of Leesburg.	416	1980	8-5-80	77
02352760	Dry Creek near Putney, Ga.	Lat 31°27'04", long 84°08'07", Dougherty County, Hydrologic Unit 03130008, at State Highway 3, 1.5 miles south of Putney.	68.1	1955, 1980	8-4-80	0
02352920	Raccoon Creek near Baconton, Ga.	Lat 31°21'48", long 84°10'04", Mitchell County, Hydrologic Unit 03130008, at State Highway 3, 1 mile south of Baconton.	92.9	1955, 1969, 1980	8-4-80	0
02352980	Cooleewahee Creek at Newton, Ga.	Lat 31°19'48", long 84°19'50", Baker County, Hydrologic Unit 03130008, at State Highway 91 at Newton.	151	1955, 1969, 1980	8-5-80	7.8
02353100	Ichawaynochaway Creek near Dawson, Ga.	Lat 31°46'18", long 84°29'10", Terrell County, Hydrologic Unit 03130009, at State Highway 50, 7 miles west of Dawson.	118	1951, 1954, 1969, 1980	8-4-80	28
02353265	Ichawaynochaway Creek near Morgan, Ga.	Lat 31°31'37", long 84°34'58", Calhoun County, Hydrologic Unit 03130009, at State Highway 37, 1 mile east of Morgan.	301	1980	8-5-80	70
02353460	Ichawaynochaway Creek near Leary, Ga.	Lat 31°28'09", long 84°34'15", Calhoun County, Hydrologic Unit 03130009, at State Highway 62, 3 miles west of Leary.	570	1954-55, 1980	8-5-80	130
02354350	Chickasawhatchee Creek near Albany, Ga.	Lat 31°35'37", long 84°27'12", Dougherty-Calhoun County line, Hydrologic Unit 03130009, at State Highway 234, 11 miles west of city limits of Albany.	118	1980	8-4-80	.62
02354410	Chickasawhatchee Creek near Leary, Ga.	Lat 31°30'13", long 84°25'50", Calhoun-Dougherty County line, Hydrologic Unit 03130009, at State Highway 62, 5 miles east of Leary.	157	1955, 1980	8-5-80	e1.3
02354440	Kiokee Creek near Pretoria, Ga.	Lat 31°30'13", long 84°22'01", Dougherty County, Hydrologic Unit 03130009, at State Highway 62, 3 miles west of Pretoria.	67.0	1955, 1969, 1980	8-5-80	0
02354500	Chickasawhatchee at Elmodel, Ga.	Lat 31°21'09", long 84°29'10", Baker County, Hydrologic Unit 03130009, at State Highway 37 at Elmodel.	a320	1940-49, 1955, 1959-60, 1962, 1964-68, 1973-74, 1980	8-5-80	15
02355000	Ichawaynochaway Creek near Newton, Ga.	Lat 31°16'20", long 84°29'19", Baker County, Hydrologic Unit 03130009, at State Highway 200, 9 miles west of Newton.	1,020	1952, 1959, 1961-62, 1964-68, 1973-74, 1980	8-5-80	260
02355350	Ichawaynochaway Creek below Newton, Ga.	Lat 31°12'48", long 84°28'24", Baker County, Hydrologic Unit 03130009, at State Highway 91, 11 miles south of Newton.	1,040	1955, 1980	8-5-80	268

a Approximately.
e Estimated.

Base-flow discharge measurements made in the Dougherty Plain area--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02355600	Big Cypress Creek near Newton, Ga.	Lat 31°12'14", long 84°29'53", Baker County, Hydrologic Unit 03130009, at State Highway 91, 11 miles southwest of Newton.	--	1980	8-5-80	0
02355785	Big Slough near Camilla, Ga.	Lat 31°13'06", long 84°15'08", Mitchell County, Hydrologic Unit 03130008, at State Highway 97, 2 miles west of Camilla.	105	1980	8-4-80	1.1
02355830	Big Slough below Camilla, Ga.	Lat 31°09'02", long 84°17'19", Mitchell County, Hydrologic Unit 03130008, at State Highway 65, 7 miles southwest of Camilla.	157	1980	8-4-80	0
02355880	Big Slough near Pelham, Ga.	Lat 31°05'24", long 84°19'02", Mitchell County, Hydrologic Unit 03130008, at county road, 10 miles west of Pelham.	214	1980	8-4-80	0
02355950	Big Slough near Bainbridge, Ga.	Lat 30°56'05", long 84°31'23", Decatur County, Hydrologic Unit 03130008, at State Highway 97, 2 miles northeast of Bainbridge.	315	1952, 1980	8-4-80	0
02356100	Spring Creek near Arlington, Ga.	Lat 31°24'47", long 84°46'33", Early County, Hydrologic Unit 03130010, at State Highway 62, 3.5 miles southwest of Arlington.	a49	1951-52, 1954-55, 1959, 1961-62, 1964-68, 1973-74, 1980	8-5-80	3.0
02356220	Spring Creek at Damascus, Ga.	Lat 31°18'20", long 84°44'59", Early County, Hydrologic Unit 03130010, at State Highway 200, 1 mile west of Damascus.	99.8	1980	8-4-80	11
02356290	Dry Creek near Blakely, Ga.	Lat 31°22'22", long 84°52'59", Early County, Hydrologic Unit 03130010, at State Highway 200, 2 miles east of Blakely.	45.5	1980	8-4-80	6.9
02356600	Long Branch near Colquitt, Ga.	Lat 31°12'49", long 84°43'54", Miller County, Hydrologic Unit 03130010, at State Highway 45, 2 miles north of Colquitt.	--	1980	8-4-80	0
02356640	Spring Creek at Colquitt, Ga.	Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at U.S. Highway 27 at Colquitt.	281	1952, 1954-55, 1980	8-4-80	42
02356860	Big Drain Creek near Boykin, Ga.	Lat 31°05'24", long 84°42'20", Miller County, Hydrologic Unit 03130010, at State Highway 310, 1 mile southwest of Boykin.	--	1980	8-5-80	0
02356970	Aycocks Creek below Colquitt, Ga.	Lat 31°06'19", long 84°46'46", Miller County, Hydrologic Unit 03130010, at State Highway 45, 4 miles southwest of Colquitt.	--	1980	8-5-80	0
02357025	Dry Creek near Iron City, Ga.	Lat 31°02'58", long 84°47'40", Seminole County, Hydrologic Unit 03130010, at State Highway 45, 2 miles north of Iron City.	--	1980	8-5-80	0
02357050	Spring Creek at Brinson, Ga.	Lat 30°58'30", long 84°44'46", Decatur County, Hydrologic Unit 03130010, at U.S. Highway 84 at Brinson.	560	1980	8-5-80	150
02357310	Fishpond Drain near Donaldsonville, Ga.	Lat 30°58'44", long 84°52'17", Seminole County, Hydrologic Unit 03130010, at State Highway 285, 3 miles south of Donaldsonville.	--	1980	8-5-80	0

a Approximately.

CHARLTON COUNTY

304943082213701 Local number, 27E1.

LOCATION.--Lat 30°49'43", long 82°21'37", Hydrologic Unit 03110201, end of Georgia Highway 177 east of Stephen C. Foster State Park.

Owner: U. S. Geological Survey, Test well OK 8.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. (10.1 cm), depth 647 ft (197.2 m), cased to 465 ft (141.7 m), open hole.

DATUM.--Altitude of land-surface is 116 ft (35.3 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 4.2 ft (1.28 m) above land-surface datum.

REMARKS.--Well pumped Aug. 1, 1978, sounded to obstruction at 484 ft (147.5 m). Well open below obstruction.

PERIOD OF RECORD.--May 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 58.65 ft (17.877 m) below land-surface datum, June 27, 1966; lowest, 68.47 ft (20.870 m) below land surface datum, January 4, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67.17	67.10	67.40	66.87	66.77	66.17	65.10	64.13	65.08	66.39	67.45	67.90
2	67.15	67.05	67.47	66.90	66.83	66.17	65.05	64.20	65.10	66.48	67.40	67.90
3	67.20	67.10	67.55	66.88	66.80	66.35	65.00	64.20	65.13	66.53	67.37	67.91
4	67.17	67.25	67.47	66.76	66.77	66.33	64.95	64.20	65.15	66.58	67.40	67.95
5	67.13	67.30	67.30	66.80	66.75	66.23	64.93	64.17	65.18	66.62	67.47	67.97
6	67.10	67.27	67.10	66.93	66.65	66.20	64.97	64.20	65.30	66.60	67.53	67.95
7	67.10	67.23	67.13	66.92	66.67	66.20	64.95	64.25	65.38	66.61	67.50	67.90
8	67.13	67.17	67.33	66.87	66.73	66.13	64.87	64.28	65.40	66.69	67.47	67.90
9	67.07	67.10	67.40	66.90	66.50	66.05	64.75	64.31	65.38	66.76	67.45	67.95
10	66.97	67.10	67.39	66.97	66.33	65.95	64.73	64.40	65.44	66.74	67.47	67.93
11	66.93	67.10	67.37	66.90	66.45	65.95	64.73	64.47	65.58	66.72	67.50	67.95
12	66.95	67.13	67.33	66.85	66.50	65.90	64.65	64.52	65.66	66.74	67.50	67.95
13	---	67.15	67.25	66.85	66.60	65.80	64.50	64.49	65.76	66.78	67.50	68.00
14	---	67.25	67.27	66.76	66.60	66.00	64.33	64.48	65.79	66.82	67.53	67.97
15	---	67.35	67.27	66.87	66.47	66.10	64.40	64.52	65.84	66.91	67.55	67.93
16	---	67.35	67.17	66.87	66.23	66.00	64.55	64.60	65.92	66.96	67.55	67.93
17	---	67.30	67.27	66.83	66.35	65.80	64.60	64.67	65.96	66.97	67.60	68.00
18	---	67.30	67.33	66.78	66.45	65.73	64.55	64.68	65.97	67.03	67.65	68.04
19	---	67.33	67.25	66.87	66.40	65.75	64.45	64.69	66.00	67.13	67.65	68.12
20	---	67.35	67.20	66.88	66.33	65.60	64.40	64.63	66.08	67.23	67.57	68.13
21	---	67.35	67.25	66.83	66.33	65.40	64.30	64.67	66.13	67.27	67.55	68.12
22	---	67.33	67.20	66.65	66.33	65.45	64.25	64.68	66.22	67.25	67.60	68.12
23	---	67.25	67.16	66.53	66.33	65.43	64.20	64.70	66.30	67.23	67.70	68.07
24	---	67.25	67.03	66.72	66.33	65.31	64.10	64.67	66.28	67.27	67.75	68.07
25	---	67.15	66.95	66.68	66.23	65.25	64.13	64.59	66.32	67.33	67.77	68.11
26	---	67.15	67.03	66.65	66.41	65.30	64.15	64.65	66.24	67.33	67.77	68.15
27	---	67.35	67.07	66.65	66.37	65.35	64.07	64.82	66.34	67.30	67.83	68.20
28	---	67.17	67.13	66.73	66.25	65.25	64.05	64.84	66.40	67.33	67.85	68.19
29	---	67.27	67.10	66.80	66.23	65.17	64.05	64.98	66.42	67.35	67.87	68.12
30	67.10	67.37	66.93	66.78	---	65.03	64.05	65.02	66.36	67.37	67.87	68.04
31	67.10	---	66.85	66.72	---	65.00	---	65.07	---	67.45	67.87	---
MEAN	67.09	67.23	67.22	66.81	66.48	65.75	64.53	64.54	65.80	66.96	67.60	68.02

WTR YR 1980 MEAN 66.48 HIGH 64.05 LOW 68.20

CHATHAM COUNTY

315950081161201 Local number, 35P94.

LOCATION.--Lat 31°59'50", long 81°16'12", Hydrologic Unit 03060204, Barbour Lathrop Plant Introduction Station, 10 miles (16.1 km) south of Savannah, north of the intersection of U.S. Highway 17 and Argyle Rd.
Owner: U.S. Department of Agriculture.

AQUIFER.--Sands of Holocene and Pleistocene ages.

WELL CHARACTERISTICS.--Bored observation well, diameter 30 in. (76.2 cm), depth 15 ft (4.6 m), cased to 15 ft (4.6 m), open end.

DATUM.--Altitude of land-surface is 18.67 ft (5.691 m) National Geodetic Vertical Datum of 1929.
Measuring point: Iron bracket on recorder shelter, 3.3 ft (1.01 m) above land-surface datum.

REMARKS.--Responds quickly to precipitation.

PERIOD OF RECORD.--August 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.05 ft (0.015 m) below land-surface datum, Sept. 26, 1953; lowest, 12.28 ft (3.743 m) below land-surface datum, November 30, 1972.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.23	7.10	7.58	6.58	4.52	5.19	2.24	3.85	5.10	6.89	9.16	9.90
2	4.28	7.14	7.60	6.66	4.55	5.25	2.40	3.94	5.21	7.06	9.20	9.94
3	4.35	7.20	7.64	6.71	4.58	5.32	2.42	4.02	5.31	7.22	9.24	9.97
4	4.42	7.30	7.58	6.69	4.65	5.35	2.18	4.10	5.42	7.34	9.28	10.01
5	4.53	7.35	7.55	6.76	4.69	5.36	2.16	4.18	5.54	7.46	9.33	10.04
6	4.65	7.38	7.38	6.87	4.70	5.39	2.44	4.27	5.65	7.56	9.38	10.04
7	4.80	7.41	7.06	6.86	4.77	5.34	2.62	4.34	5.75	7.69	9.42	10.01
8	4.93	7.46	6.50	6.91	4.82	5.28	2.48	4.44	5.86	7.80	9.46	10.04
9	5.03	7.51	6.35	6.97	4.78	5.29	2.47	4.50	5.99	7.86	9.49	10.07
10	5.14	7.58	6.10	7.03	4.68	5.16	2.50	4.53	6.13	7.91	9.26	10.10
11	5.24	7.65	6.00	6.92	4.50	4.91	2.70	4.56	6.26	7.98	8.97	10.13
12	5.34	7.68	5.96	6.87	4.40	4.36	2.84	4.66	6.40	8.06	8.94	10.15
13	5.44	7.68	5.93	6.75	4.42	3.04	2.92	4.74	6.52	8.14	8.98	10.17
14	5.55	7.73	5.99	6.48	4.42	2.52	2.60	4.82	6.63	8.23	9.03	10.19
15	5.63	7.73	6.01	6.24	4.42	2.70	2.58	4.91	6.75	8.32	9.08	10.20
16	5.69	7.78	5.90	6.03	4.45	2.82	2.80	5.00	6.89	8.40	9.14	10.22
17	5.79	7.82	6.06	5.88	4.53	2.93	2.94	5.04	7.04	8.47	9.22	10.25
18	5.88	7.87	6.10	5.79	4.58	2.86	3.06	4.96	7.16	8.54	9.30	10.27
19	5.96	7.93	6.07	5.78	4.58	2.89	2.94	4.84	7.22	8.62	9.36	10.30
20	6.05	7.99	6.14	5.75	4.62	2.98	2.83	4.75	7.32	8.70	9.41	10.33
21	6.14	8.02	6.22	5.73	4.70	2.90	2.97	4.78	7.37	8.76	9.46	10.35
22	6.20	8.04	6.24	5.71	4.77	2.94	3.12	4.85	7.35	8.81	9.51	10.37
23	6.27	8.08	6.28	5.70	4.82	3.07	3.23	4.90	7.27	8.89	9.57	10.39
24	6.38	8.12	6.25	5.67	4.84	3.15	3.35	4.58	6.98	8.91	9.61	10.41
25	6.48	8.07	6.30	5.58	4.92	3.19	3.48	4.24	6.76	8.94	9.65	10.43
26	6.60	7.96	6.38	5.40	5.00	3.26	3.52	4.27	6.62	8.95	9.68	10.45
27	6.68	7.80	6.43	5.24	5.02	3.33	3.50	4.38	6.60	8.97	9.72	10.46
28	6.73	7.63	6.52	4.66	5.08	3.16	3.58	4.51	6.58	9.00	9.78	10.48
29	6.82	7.67	6.50	4.48	5.13	2.76	3.66	4.68	6.63	9.03	9.80	10.49
30	6.92	7.63	6.44	4.46	---	2.10	3.75	4.84	6.72	9.10	9.83	10.47
31	7.03	---	6.53	4.45	---	1.91	---	4.98	---	9.13	9.87	---
MEAN	5.65	7.68	6.50	6.05	4.69	3.76	2.88	4.56	6.43	8.28	9.39	10.22

WTR YR 1980 MEAN 6.35 HIGH 1.91 LOW 10.49

CHATHAM COUNTY

320021081124801 Local number, 36Q20.

LOCATION.--Lat 32°00'21", long 81°12'48", Hydrologic Unit 03060204, 2.7 mi (4.3 km) south of intersection of U.S. Highway 17 with Dean Forest Road.
Owner: H. J. Morrison.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 3 in. (7.6 cm), depth 365 ft (111.2 m), cased to 330 ft (100.6 m), open hole.

DATUM.--Altitude of land-surface is 13 ft (4.0 m) National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 3.88 ft (1.183 m) above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--March 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.66 ft (5.383 m) below land-surface datum, June 28, 1958; lowest, 49.15 ft (14.981 m) below land-surface datum, September 6, 7, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44.90	45.30	44.70	43.05	42.55	41.90	41.95	41.62	42.55	44.65	46.60	48.85
2	44.82	45.20	44.70	43.10	42.60	41.85	41.90	41.70	42.75	44.75	46.70	48.95
3	44.95	45.10	44.80	43.15	42.60	42.15	42.30	41.70	42.85	44.85	46.78	48.95
4	44.85	45.30	44.65	42.95	42.60	42.10	42.25	41.70	43.00	44.95	46.90	49.05
5	44.85	45.30	44.50	43.00	42.60	42.05	41.80	41.70	43.20	45.00	47.10	49.10
6	44.85	45.20	44.25	43.15	42.45	42.10	41.88	41.65	43.45	45.05	47.20	49.15
7	44.85	45.15	44.25	43.10	42.55	42.15	41.83	41.75	43.65	45.08	47.28	49.15
8	44.90	45.08	44.50	43.10	42.60	42.05	41.80	41.80	43.75	45.10	47.35	49.10
9	44.85	44.98	44.55	43.20	42.30	42.00	41.65	41.80	43.90	45.12	47.45	49.05
10	44.75	45.00	44.50	43.25	42.20	41.90	41.70	41.90	43.95	45.15	47.55	48.95
11	44.75	44.98	44.40	43.10	42.30	41.95	41.75	41.92	44.20	45.17	47.55	48.95
12	44.85	44.98	44.38	43.20	42.35	41.90	41.70	41.95	44.35	45.35	47.60	48.95
13	44.00	44.90	44.25	43.20	42.40	41.80	41.55	41.95	44.45	45.50	47.65	48.95
14	45.05	45.00	44.30	43.05	42.45	41.95	41.40	41.95	44.55	45.65	47.65	48.95
15	45.05	45.00	44.25	43.15	42.20	42.00	41.60	42.03	44.70	45.75	47.70	48.80
16	44.95	44.95	44.15	43.15	41.95	41.95	41.70	42.05	44.95	45.88	47.75	48.80
17	45.00	44.90	44.25	43.05	42.05	41.80	41.73	42.10	45.15	46.00	47.90	48.85
18	45.05	44.85	44.30	42.90	42.20	41.75	41.70	42.05	45.20	46.23	47.90	48.95
19	45.05	44.85	44.15	43.10	42.05	41.85	41.65	42.15	45.10	46.50	47.90	49.00
20	45.10	44.90	44.10	43.05	41.95	41.75	41.60	42.05	45.05	46.68	47.85	49.00
21	45.20	44.88	44.15	42.90	42.00	41.60	41.50	42.10	45.00	46.80	47.85	48.92
22	45.20	44.80	44.05	42.75	42.00	41.85	41.55	42.12	45.00	46.85	47.95	48.90
23	45.10	44.75	43.98	42.65	42.00	41.95	41.52	42.05	44.95	46.78	48.05	48.85
24	45.10	44.75	43.85	42.80	42.05	41.90	41.50	41.93	44.80	46.78	48.15	48.85
25	45.20	44.60	43.80	42.70	41.95	41.95	41.60	41.85	44.70	46.75	48.15	48.90
26	45.35	44.58	43.85	42.65	42.20	42.05	41.62	41.90	44.65	46.65	48.20	48.95
27	45.35	44.75	43.85	42.60	42.15	42.10	41.55	42.05	44.70	46.60	48.30	49.05
28	45.25	44.50	43.80	42.65	41.95	41.95	41.60	42.12	44.70	46.57	48.35	49.00
29	45.25	44.65	43.65	42.60	41.95	41.90	41.55	42.18	44.65	46.60	48.50	48.90
30	45.35	44.70	43.35	42.60	---	41.75	41.50	42.35	44.60	46.60	48.60	48.75
31	45.30	---	43.15	---	---	41.80	---	42.55	---	46.65	48.70	---
MEAN	45.00	44.93	44.17	42.96	42.25	41.93	41.70	41.96	44.28	45.87	47.71	48.95

WTR YR 1980 MEAN 44.32 HIGH 41.40 LOW 49.15

CHATHAM COUNTY

320122080510202 Local number, 39Q3.
LOCATION.—Lat 32°01'22", long 80°51'02", Hydrologic Unit 03060204, Tybee Island near Fort Screven.
  Owner: U.S. Geological Survey, test well 7.
AQUIFER.—Principal artesian aquifer.
WELL CHARACTERISTICS.—Drilled observation well, diameter 10 in. (25.4 cm), depth 600 ft (182.9 m), cased to 129 ft (39.3 m), open hole.
DATUM.—Altitude of land-surface is 7.0 ft (2.13 m) National Geodetic Vertical Datum of 1929.
  Measuring point: Top of 10 in. (25.4 cm) casing, 2.0 ft (0.61 m) above land-surface datum.
REMARKS.—Borehole geophysical survey conducted January 24, 1962.
PERIOD OF RECORD.—May 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.8 ft (5.425 m) below lann surface datum, April 11, 1963; lowest, 29.50 ft (8.992 m) below land-surface datum, September 3, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.95	26.15	26.45	25.70	25.20	24.30	24.70	24.85	26.00	26.75	28.05	29.40
2	25.85	26.40	26.60	25.70	25.20	24.65	24.70	25.10	25.90	27.00	28.15	29.25
3	26.00	26.60	26.15	25.65	25.30	25.10	24.70	25.00	26.00	27.10	28.10	29.50
4	25.85	26.50	26.25	25.40	25.35	25.10	24.85	25.00	26.10	27.30	28.40	29.35
5	25.90	26.50	26.20	25.70	25.40	25.05	24.95	24.85	25.80	27.50	28.55	29.30
6	25.90	26.35	25.95	25.80	25.40	25.10	24.80	24.90	25.95	27.70	28.65	29.40
7	26.20	26.55	26.20	25.65	25.43	25.05	24.70	25.05	26.30	27.15	28.40	29.40
8	26.10	26.55	26.45	25.80	25.40	25.00	24.75	25.20	26.55	27.30	28.50	29.40
9	26.20	26.45	26.20	25.60	25.10	25.05	24.80	24.95	26.20	27.50	28.50	29.05
10	26.10	26.55	26.20	25.40	24.80	24.75	24.95	25.00	26.15	27.60	28.55	29.30
11	25.70	26.75	26.25	25.40	24.93	24.88	25.00	25.35	26.55	27.35	28.65	29.05
12	25.85	26.70	26.25	25.60	25.15	24.55	24.90	25.40	26.15	27.50	28.65	28.95
13	26.10	26.60	26.20	25.15	25.18	24.60	24.75	25.45	26.30	27.75	28.80	29.00
14	25.85	26.45	26.10	25.10	25.15	25.20	24.90	25.30	26.50	27.30	28.95	29.08
15	25.90	26.45	25.70	25.30	25.08	25.23	24.15	25.05	26.80	27.50	28.90	29.00
16	25.85	26.50	25.80	25.30	24.75	25.15	24.95	24.85	27.05	27.60	29.00	28.90
17	25.90	26.55	25.90	25.05	24.95	24.95	24.88	25.15	26.80	27.60	28.70	28.95
18	26.00	26.55	25.90	24.90	25.00	25.15	24.80	25.50	26.50	27.80	28.65	28.90
19	25.95	26.45	25.90	25.15	24.75	24.90	24.80	25.50	26.35	27.98	28.90	29.00
20	26.10	26.60	26.10	25.20	24.80	24.70	24.75	25.40	26.45	28.12	28.95	28.85
21	26.30	26.60	25.70	25.20	24.82	24.85	24.65	25.45	26.50	28.10	28.70	29.15
22	26.10	26.40	25.60	25.00	24.85	25.10	24.70	25.45	26.60	28.15	28.60	29.15
23	26.00	26.40	25.65	25.35	24.85	24.80	24.95	25.05	26.70	28.15	28.65	29.05
24	26.10	26.60	25.55	25.45	24.90	24.60	24.95	25.40	26.55	28.15	28.70	29.00
25	25.95	26.25	26.25	25.60	24.85	24.90	24.95	25.25	26.65	28.00	28.70	29.00
26	25.90	26.65	26.00	25.30	25.35	24.70	25.00	25.05	26.60	27.95	28.70	28.90
27	26.05	26.65	25.85	24.90	25.05	24.65	24.85	25.25	26.75	27.85	28.75	28.80
28	26.05	26.30	25.70	25.10	25.00	24.45	25.05	25.48	26.80	27.70	29.00	28.45
29	26.15	26.65	25.70	25.15	25.05	24.80	24.95	25.55	27.00	27.95	29.05	28.55
30	26.30	26.45	25.50	25.30	---	24.50	24.92	25.70	26.80	27.75	29.30	28.45
31	26.10	---	25.45	25.05	---	24.75	---	25.95	---	28.00	29.30	---
MEAN	26.01	26.51	25.99	25.35	25.07	24.86	24.83	25.24	26.45	27.65	28.69	29.05

WTR YR 1980   MEAN 26.31   HIGH 24.15   LOW 29.50

CHATHAM COUNTY

320202080541201 Local number, 38Q2.
LOCATION.--Lat 32°02'02", long 80°54'12", Hydrologic Unit 03060204, Cockspur Island, near pilot house.
Owner: U.S. Department of the Interior, National Park Service.
AQUIFER.--Principal artesian aquifer.
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in. (20.3 cm), depth 348 ft (106.1 m), cased to 110 ft (33.5 m), open hole.
DATUM.--Altitude of land-surface is 8.0 ft (2.44 m) National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 3.62 ft (1.103 m) above land-surface datum.
REMARKS.--Borehole geophysical survey conducted June 16, 1961.
PERIOD OF RECORD.--February 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.0 ft (4.88 m) below land-surface datum, March 5, 1956; lowest, 35.60 ft (10.851 m) below land-surface datum, September 2-6, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.80	32.15	32.40	31.45	30.90	30.10	30.45	30.50	31.30	32.40	33.85	35.50
2	31.80	32.10	32.40	31.55	30.95	30.20	30.40	30.70	31.35	32.50	33.75	35.60
3	31.90	32.20	32.15	31.50	30.95	30.60	30.40	30.75	31.35	32.60	33.80	35.60
4	31.70	32.10	32.30	31.30	30.95	30.55	30.50	30.70	31.60	32.75	34.00	35.60
5	31.80	32.15	32.15	31.50	31.00	30.60	30.52	30.65	31.45	33.00	34.10	35.60
6	31.80	32.10	32.00	31.50	30.95	30.65	30.45	30.63	31.55	32.95	34.15	35.60
7	32.00	32.25	32.15	31.45	31.05	30.70	30.40	30.56	31.80	32.70	34.20	35.55
8	32.00	32.25	32.30	31.55	31.00	30.60	30.40	30.55	31.80	32.75	34.20	35.50
9	32.00	32.15	32.20	31.40	30.85	30.60	30.40	30.60	31.50	32.85	34.20	35.40
10	32.10	32.30	32.20	31.30	30.55	30.45	30.50	30.65	31.70	32.90	34.30	35.40
11	31.80	32.45	32.20	31.30	30.60	30.50	30.55	30.60	31.90	32.85	34.45	35.40
12	31.90	32.40	32.20	31.40	30.75	30.25	30.40	30.63	31.80	32.85	34.50	35.35
13	32.10	32.30	32.10	31.05	30.85	30.25	30.15	30.65	31.90	33.05	34.65	35.35
14	31.90	32.40	32.10	31.00	30.75	30.80	30.25	30.69	32.05	32.95	34.70	35.40
15	32.00	32.40	31.80	31.15	30.70	30.75	30.50	30.78	32.35	33.25	34.80	35.30
16	31.90	32.50	31.85	31.10	30.30	30.65	30.50	30.85	32.60	33.30	34.85	35.30
17	32.00	32.45	31.90	30.90	30.40	30.50	30.35	30.95	32.60	33.30	34.80	35.15
18	32.00	32.50	31.90	30.75	30.50	30.60	30.40	30.90	32.50	33.50	34.70	35.25
19	32.00	32.45	31.90	30.90	30.25	30.55	30.45	31.00	32.40	33.70	34.90	35.30
20	32.10	32.55	31.95	30.95	30.35	30.40	30.45	31.10	32.40	33.80	34.90	35.15
21	32.20	32.50	31.70	30.90	30.40	30.50	30.30	31.00	32.40	33.90	34.70	35.10
22	32.10	32.40	31.60	30.80	30.40	30.70	30.35	31.08	32.35	33.85	34.55	35.10
23	32.10	32.40	31.65	31.00	30.40	30.50	30.50	31.00	32.50	33.80	34.60	35.10
24	32.20	32.40	31.60	31.10	30.35	30.40	30.50	31.00	32.40	33.80	34.65	35.10
25	32.00	32.20	32.00	31.20	30.40	30.55	30.50	30.80	32.40	33.80	34.65	35.10
26	32.00	32.50	31.85	31.00	30.75	30.40	30.55	30.70	32.40	33.65	34.85	35.15
27	32.20	32.45	31.80	30.70	30.50	30.40	30.40	30.85	32.50	33.50	35.05	35.05
28	32.10	32.30	31.70	30.90	30.50	30.40	30.55	31.00	32.50	33.50	35.20	34.80
29	32.20	32.50	31.65	31.00	30.50	30.45	30.50	31.10	32.55	33.65	35.25	34.90
30	32.30	32.40	31.40	30.95	---	30.30	30.45	31.20	32.40	33.60	35.30	34.80
31	32.20	---	31.40	30.80	---	30.40	---	31.30	---	33.80	35.40	---
MEAN	32.01	32.34	31.95	31.14	30.65	30.49	30.43	30.82	32.08	33.25	34.58	35.28

WTR YR 1980 MEAN 32.09 HIGH 30.10 LOW 35.60

CHATHAM COUNTY

320530081085001 Local number, 36Q8.

LOCATION.—Lat 32°05'30", long 81°08'50", Hydrologic Unit 03060204, 0.19 mi (0.3 km) southeast of intersection of Alfred Street and U.S. Highway 80.
Owner: Layne-Atlantic Co.

AQUIFER.—Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused industrial well, diameter 4 in. (10.1 cm), depth 406 ft (123.7 m), cased to 250 ft (76.2 m), open hole.

DATUM.--Altitude of land-surface is 9.91 ft (3.021 m) National Geodetic Vertical Datum of 1929.
Measuring point: Top of 3 in. (7.6 cm) casing, 1.0 ft (0.30 m) above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.17 ft (14.987 m) below land-surface datum, July 11, 1954; lowest, 124.40 ft (37.917 m) below land-surface datum, August 30, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111.80	114.80	113.30	105.23	104.80	103.40	104.45	103.25	111.45	111.60	119.80	120.80
2	111.30	114.70	112.60	105.95	104.80	103.10	104.40	103.35	111.20	112.20	119.90	120.80
3	111.30	114.50	112.30	107.00	104.95	103.85	104.15	103.20	111.60	113.40	120.25	120.80
4	111.70	114.10	112.60	107.65	104.50	104.80	103.80	102.90	111.30	113.10	120.05	121.30
5	112.20	114.10	113.00	107.65	104.20	104.00	103.65	103.80	110.65	112.20	119.40	121.90
6	111.90	114.00	112.30	108.25	103.70	103.60	103.60	104.10	110.90	112.15	119.60	121.90
7	111.40	113.90	112.20	108.45	104.00	103.90	103.60	104.30	110.90	111.70	120.35	121.20
8	111.20	114.00	112.40	108.85	103.85	103.20	103.40	104.40	110.55	111.85	120.50	120.70
9	111.80	114.00	112.00	109.70	103.55	103.10	103.40	104.00	111.15	112.20	119.85	120.30
10	112.40	114.20	112.10	109.80	103.15	102.80	103.55	104.70	111.85	112.60	119.70	120.10
11	112.35	113.90	112.70	109.40	103.20	103.40	103.70	104.35	112.30	113.10	119.20	119.70
12	112.45	113.70	112.60	108.55	103.20	103.50	103.60	104.00	112.70	113.50	119.30	120.10
13	112.65	113.40	112.40	108.20	103.50	102.40	103.10	104.60	112.95	114.30	119.55	120.25
14	112.70	113.30	112.05	107.70	103.55	103.50	102.90	105.10	113.15	115.10	119.50	119.80
15	112.15	112.85	111.90	107.95	104.05	104.45	103.30	105.70	112.80	115.70	118.70	119.90
16	112.50	113.30	111.30	108.00	103.70	104.80	104.15	106.00	113.10	116.20	118.65	120.10
17	112.70	113.50	111.60	107.60	104.00	104.55	104.30	105.50	113.70	116.60	119.50	120.30
18	112.90	113.40	112.45	106.65	103.75	105.50	103.90	105.00	113.85	117.30	120.00	120.60
19	113.00	113.40	112.30	106.00	104.00	107.20	103.30	105.90	113.60	117.30	120.50	120.90
20	112.80	113.90	112.20	105.70	104.15	107.30	102.95	106.25	113.35	116.60	120.50	121.05
21	112.60	114.10	112.00	104.70	104.00	106.35	103.00	105.80	112.85	115.90	121.00	121.10
22	112.40	113.90	111.70	104.60	103.60	105.80	103.85	106.30	112.50	115.40	120.70	120.60
23	113.00	113.05	111.65	104.90	103.75	105.75	103.80	105.85	112.30	115.50	120.20	120.90
24	113.10	112.80	108.20	104.90	103.35	105.30	103.80	105.70	112.05	116.30	119.90	122.30
25	113.40	112.80	102.00	104.60	102.75	105.00	103.90	106.05	111.65	116.90	121.20	121.60
26	113.80	112.60	97.50	104.25	103.10	105.00	103.65	106.15	111.50	115.70	122.30	121.40
27	113.60	112.90	95.80	103.60	103.30	105.00	103.00	106.70	112.05	115.00	122.80	120.65
28	113.80	112.55	99.30	103.30	103.30	104.90	102.60	107.60	112.10	115.00	123.40	120.20
29	114.15	112.65	102.50	103.50	103.60	104.30	102.85	108.50	111.70	115.40	124.30	120.00
30	115.40	113.90	103.60	104.40	---	103.60	103.10	109.75	111.40	115.90	124.40	120.50
31	115.20	---	105.30	104.80	---	103.50	---	111.45	---	118.00	123.90	---
MEAN	112.70	113.61	109.54	106.51	103.77	104.41	103.56	105.49	112.11	114.64	120.61	120.73

WTR YR 1980 MEAN 110.66 HIGH 95.80 LOW 124.40

CLAY COUNTY

313637085032601 Local number, 5L1.
LOCATION.--Lat 31°36'37", long 85°03'26", Hydrologic Unit 03130004, between Chattahoochee River and Ft. Gaines waterplant.
Owner: U.S. Army Corps of Engineers.
AQUIFER.—Clayton Limestone.
WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in. (7.6 cm), depth 120 ft (36.6 m), cased to 44 ft (13.4 m), open hole.
DATUM.—Altitude of land-surface is 146.7 ft (44.71 m) National Geodetic Vertical Datum of 1929.
Measuring point: Top of floor of recorder shelter, 2.7 ft (0.82 m) above land-surface datum.
REMARKS.--None.
PERIOD OF RECORD.--May 23, 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level, 18.86 ft (5.749 m) below land-surface datum, February 17, 1966; lowest, 35.88 ft (10.936 m) below land-surface datum, August 17, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.82	31.15	30.95	31.31	30.14	30.76	21.19	27.21	28.50	29.16	30.18	30.96
2	30.86	31.15	31.53	31.31	30.70	30.93	23.52	27.28	28.18	29.21	30.63	30.85
3	30.90	31.64	30.97	31.27	30.90	30.96	24.99	27.34	28.10	29.38	30.84	30.71
4	30.83	31.90	30.77	31.25	30.26	30.04	25.21	27.90	27.97	29.44	30.39	30.58
5	30.71	31.20	30.59	31.76	30.11	30.69	25.32	27.63	27.85	29.85	30.23	30.84
6	31.27	31.02	30.36	31.94	30.01	30.31	26.04	27.58	27.87	29.81	30.33	31.03
7	31.45	30.98	30.27	31.53	30.02	29.70	26.18	27.65	28.71	29.67	30.37	31.23
8	31.09	30.94	30.79	31.37	29.95	29.65	25.61	27.68	29.03	29.71	30.36	30.78
9	30.96	30.89	31.50	31.27	30.97	28.64	25.55	27.70	28.81	29.70	30.69	30.81
10	30.93	31.52	31.19	31.27	31.25	26.50	25.62	28.14	28.80	29.63	30.95	30.74
11	30.90	31.66	30.83	31.17	31.43	26.89	26.29	28.49	28.85	29.38	31.12	30.72
12	30.92	31.23	30.79	31.71	30.89	27.50	25.64	28.25	28.93	29.91	30.60	30.68
13	31.35	30.93	30.74	31.84	31.10	26.34	25.54	28.23	29.02	29.65	30.74	31.45
14	31.59	30.94	30.38	31.39	31.12	26.11	24.56	28.25	29.38	29.62	30.61	31.71
15	31.24	30.94	31.40	31.19	30.75	26.47	23.56	28.33	29.54	29.79	30.63	31.35
16	30.90	30.88	31.58	31.20	31.06	26.78	24.56	28.39	29.21	29.95	30.76	31.12
17	30.78	30.95	30.98	30.91	31.33	26.92	25.11	28.14	29.14	29.90	31.05	31.32
18	30.78	31.32	31.12	30.59	31.06	26.40	25.19	27.71	29.14	29.94	31.09	31.30
19	30.73	30.74	31.15	30.43	30.91	26.04	25.92	27.69	29.02	30.37	30.29	31.32
20	31.40	30.68	31.17	31.25	30.69	26.23	26.03	26.95	29.03	30.50	30.42	31.65
21	31.55	30.67	31.18	30.60	30.39	26.64	26.13	25.37	29.58	30.08	30.34	31.91
22	31.12	30.60	31.64	30.38	30.94	26.67	26.21	24.95	29.72	29.92	30.26	31.59
23	31.07	30.62	31.76	30.28	31.05	26.66	26.28	24.98	29.39	29.91	30.84	31.29
24	31.07	31.41	31.14	30.26	31.21	26.81	26.69	23.36	29.30	29.94	31.20	31.30
25	31.10	31.53	31.71	30.24	31.23	26.84	26.80	24.78	29.04	29.93	30.69	31.41
26	31.12	30.76	31.25	30.11	30.36	26.87	26.64	25.92	28.99	30.46	30.45	31.52
27	31.57	30.65	31.18	31.17	30.94	26.86	27.12	26.72	28.96	30.61	30.84	31.81
28	31.65	30.36	31.13	30.48	30.31	26.08	26.09	26.91	29.10	30.29	30.47	32.03
29	31.25	30.31	31.72	30.23	30.32	24.89	27.00	27.05	29.63	30.10	30.82	31.73
30	31.20	30.30	31.85	30.15	---	22.37	27.08	27.58	29.18	30.16	30.87	31.52
31	31.23	---	31.38	30.10	---	21.21	---	27.95	---	30.24	31.15	---
MEAN	31.11	31.00	31.13	30.97	30.74	27.28	25.59	27.16	28.93	29.88	30.65	31.24

WTR YR 1980 MEAN 29.64 HIGH 21.19 LOW 32.03

COOK COUNTY

310813083260301 Local number, 18H16.

LOCATION.--Lat 31°08'13", long 83°26'03", Hydrologic Unit 03110203, on West Second Street near intersection of Georgia Highways 76 and 37.

Owner: U.S. Geological Survey, Adel test well.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in. (20.3 cm), depth 865 ft (263.6 m), cased to 207 ft (63.1 m), open hole.

DATUM.--Altitude of land-surface is 241 ft (73.5 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 2.66 ft (0.811 m) above land-surface datum.

REMARKS.--Well pumped July 19, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted October 24, 1974.

PERIOD OF RECORD.--December 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 163.34 ft (49.786 m) below land-surface datum, July 5, 1966; lowest, 172.50 ft (52.578 m) below land-surface datum, January 4, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	171.65	171.08	171.27	170.73	---	167.83	168.34	169.23	170.44	170.59
2		---	171.60	171.21	171.36	170.79	---	167.81	168.62	169.56	170.34	170.70
3		---	171.81	171.25	171.25	171.29	---	167.99	168.82	169.72	170.27	170.79
4		---	171.79	171.13	171.31	171.29	---	168.14	168.94	169.73	170.56	170.80
5		---	171.56	---	171.37	171.02	---	168.00	169.06	169.75	170.77	170.76
6		171.83	171.23	---	171.11	171.09	---	167.87	169.18	169.72	170.92	170.64
7		171.73	171.39	171.29	171.34	171.02	---	167.78	169.18	169.67	170.94	170.51
8		171.62	171.52	171.30	171.38	170.79	---	167.85	169.13	169.70	170.86	170.60
9		171.50	171.50	171.28	170.97	170.59	---	167.90	169.16	167.25	170.74	170.69
10		171.45	171.53	171.34	170.67	170.61	---	167.91	169.22	165.82	170.45	170.68
11		171.29	171.59	171.23	170.95	170.80	---	167.93	169.42	165.76	170.46	170.62
12		171.48	171.60	171.16	171.09	170.72	---	167.62	169.67	165.71	170.50	170.67
13		171.47	171.47	171.11	171.24	170.60	---	167.60	169.79	165.78	170.57	170.68
14		171.69	171.48	171.07	171.26	170.60	167.88	167.82	169.73	165.98	170.51	170.54
15		171.76	171.34	171.31	171.07	169.97	167.74	167.81	169.73	166.13	170.50	170.65
16		171.74	171.18	171.30	170.64	169.82	167.55	167.75	169.89	166.19	170.44	170.80
17		171.67	171.45	171.22	170.75	169.72	167.50	167.86	170.03	166.15	170.36	170.77
18		171.46	171.64	171.16	171.04	---	167.56	167.91	169.97	166.09	170.53	170.79
19		171.65	171.58	171.20	171.01	---	167.74	167.91	169.90	166.10	170.69	170.84
20		171.77	171.58	171.17	170.96	---	167.89	167.92	169.66	165.93	170.76	170.74
21		171.75	171.58	171.13	170.97	---	167.89	167.91	169.48	165.98	170.76	170.63
22		171.59	171.30	171.01	170.94	---	167.81	167.85	169.48	166.03	170.50	170.69
23		171.43	171.19	170.87	170.93	---	167.89	167.89	169.48	165.71	170.34	170.72
24		171.47	171.02	171.12	170.81	---	167.93	167.78	169.47	165.67	170.28	170.75
25		171.31	170.96	171.01	170.83	---	167.86	167.62	169.47	170.14	170.45	170.80
26		171.42	171.11	170.81	171.18	---	167.96	167.58	169.30	170.14	170.57	170.91
27		171.65	171.27	170.77	171.18	---	168.19	168.04	169.23	170.00	170.62	170.89
28		171.56	171.38	171.05	170.99	---	168.02	168.18	169.16	170.06	170.74	170.64
29		171.62	171.30	171.21	170.94	---	168.01	168.29	169.09	170.11	170.81	170.58
30		171.77	170.97	171.19	---	---	167.92	168.41	169.12	170.23	170.76	170.47
31		---	171.07	171.03	---	---	---	168.47	---	170.43	170.69	---
MEAN		171.59	171.41	171.14	171.06	170.67	167.84	167.91	169.36	167.89	170.58	170.70

WTR YR 1980 MEAN 170.04 HIGH 165.67 LOW 171.83

DECATUR COUNTY

305736084355801 Local number, 9F520.

LOCATION.--Lat 30°57'36", long 84°35'58", Hydrologic Unit 03130008, U.S. 27 north of Bainbridge, right on dirt road near John Deere tractor dealership.

Owner: Graham Bolton.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Unused private irrigation well, diameter 12 in. (30.5 cm), depth 251 ft (76.5 m), cased to 130 ft (39.6 m), open hole.

DATUM.--Altitude of land-surface datum is 128 ft (39 m), from topographic map.

Measuring point: Floor of recorder shelter, 3.50 ft (1.067 m) above land-surface datum.

REMARKS.--This well is about 15 ft (4.6 m) from pumped well.

PERIOD OF RECORD.--June 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 36.75 ft (11.201 m) below land-surface datum, April 24, 1975; lowest, 51.42 ft (15.673 m) below land-surface datum, June 14, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	45.98	46.48	47.00	46.82	46.22	42.41	38.66	42.10	42.85	44.84	46.57
2	---	46.00	46.51	47.02	46.77	46.28	42.20	38.68	40.62	42.91	44.89	46.61
3	---	46.05	46.52	47.03	46.72	46.29	41.99	38.70	40.69	42.99	46.97	46.64
4	---	46.09	46.51	47.03	46.70	46.26	41.67	38.73	42.23	43.78	47.67	46.68
5	---	46.11	46.48	47.08	46.66	46.23	41.30	38.76	44.76	46.04	45.24	46.72
6	---	46.17	46.47	47.09	46.62	46.27	40.89	38.80	43.71	47.61	45.28	46.75
7	---	46.14	46.55	48.09	46.64	46.26	40.53	38.86	41.14	43.36	45.31	46.78
8	45.65	46.14	46.59	47.13	46.60	46.22	40.26	38.87	43.85	44.68	45.39	46.81
9	45.64	46.13	46.60	47.16	46.52	46.18	40.02	38.94	43.66	43.56	45.47	46.86
10	45.63	46.17	46.60	47.18	46.56	46.11	39.80	39.03	43.88	43.62	45.53	46.91
11	45.63	46.19	46.62	47.15	46.55	46.05	39.63	39.08	45.57	45.04	45.56	46.94
12	45.64	46.21	46.62	47.20	46.56	45.88	39.46	39.14	45.13	45.91	45.59	46.98
13	45.65	46.23	46.63	47.18	46.55	45.77	39.28	39.19	41.84	44.40	45.63	47.01
14	45.69	46.26	46.65	47.24	46.51	45.60	39.24	39.23	44.80	43.90	45.69	47.03
15	45.68	46.26	46.67	47.23	46.45	45.34	39.17	39.30	44.24	43.96	45.73	47.06
16	45.67	46.26	46.67	47.24	46.41	45.05	39.12	39.40	42.18	45.99	45.76	47.10
17	45.68	46.26	46.72	47.24	46.43	44.75	39.01	39.45	44.91	46.68	45.79	47.14
18	45.71	46.25	46.72	47.27	46.41	44.55	38.91	39.52	44.85	44.20	45.82	47.18
19	45.72	46.52	46.73	47.29	46.36	44.28	38.85	41.65	44.97	44.28	45.86	47.22
20	45.72	46.30	46.76	47.29	46.34	43.97	38.78	41.54	44.93	44.35	45.89	47.61
21	45.73	46.30	46.77	47.28	46.35	43.76	38.71	39.79	42.58	44.35	45.94	47.28
22	45.73	46.30	46.78	47.23	46.33	43.55	38.67	39.87	42.60	44.36	45.99	47.31
23	45.73	46.29	46.79	47.27	46.33	43.34	38.62	39.92	42.61	44.40	49.12	47.34
24	45.76	46.32	46.80	47.25	46.31	43.15	38.60	39.94	42.62	44.45	47.69	47.38
25	45.80	46.31	46.83	47.21	46.31	43.07	38.61	39.93	42.64	44.49	46.28	47.41
26	45.86	46.38	46.86	47.16	46.36	43.00	38.61	39.97	42.68	44.53	46.33	47.45
27	45.86	46.40	46.89	47.12	46.30	42.92	38.60	40.06	42.72	44.56	46.37	47.48
28	45.85	46.42	46.92	47.05	46.26	42.83	38.61	42.76	42.75	44.61	46.41	47.51
29	45.88	46.46	46.92	46.98	46.25	42.77	38.58	41.16	42.78	44.66	46.45	47.54
30	45.93	46.47	46.93	46.89	---	42.65	38.60	40.29	42.80	44.71	46.48	47.55
31	45.96	---	46.97	46.85	---	42.57	---	42.84	---	44.78	46.53	---
MEAN	45.74	46.25	46.70	47.18	46.48	44.75	39.62	39.74	43.23	44.52	46.05	47.10

WTR YR 1980 MEAN 44.76 HIGH 38.58 LOW 49.12

DOUGHERTY COUNTY

313530084203201 Local number, 11L2.

LOCATION.--Lat 31°35'32", long 84°20'35", Hydrologic Unit 03130008, Tallahassee Plantation, 10.4 mi (16.7 km) west of Albany.
Owner: Georgia Department of Natural Resources.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in. (7.6 cm), depth 656 ft (199.9 m), cased to 542 ft (165.2 m), open hole.

DATUM.--Altitude of land-surface datum is 222 ft (68 m), from topographic map.
Measuring point: Floor of recorder shelter, 3.02 ft (0.920 m) above land-surface datum.

REMARKS.--Well pumped April 1976; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 3, 1975.

PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 58.90 ft (17.953 m) below land-surface datum, April 29, 1975; lowest, 116.79 ft (35.598 m) below land-surface datum, September 20, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	89.43	---	---	81.68	80.18	79.22	78.32	78.21	90.20	102.73	---
2	---	89.27	---	---	81.67	80.21	79.21	78.46	78.25	90.80	103.23	---
3	---	89.23	---	---	81.54	80.26	79.11	78.53	78.33	91.40	103.95	---
4	91.53	89.20	86.87	---	81.45	80.25	79.06	78.55	78.42	91.90	104.70	---
5	91.43	89.00	86.50	---	81.20	80.07	79.11	78.55	78.63	92.00	105.55	---
6	91.30	88.77	86.17	---	81.00	79.99	79.16	78.42	78.93	92.25	106.40	---
7	91.20	88.53	86.15	---	80.92	80.00	79.12	78.39	79.25	92.80	107.17	---
8	91.03	88.33	86.20	---	80.80	79.98	79.05	78.33	79.55	93.25	107.87	---
9	90.80	88.10	86.15	83.69	80.48	79.94	79.02	78.30	79.95	93.50	108.65	114.78
10	90.65	88.10	86.00	83.66	80.27	79.88	79.03	78.33	80.30	93.95	109.53	115.00
11	90.63	88.10	85.90	83.52	80.31	79.80	79.07	78.32	80.95	94.20	110.27	115.25
12	90.65	88.10	85.80	83.46	80.35	79.73	79.00	78.27	81.62	94.50	110.80	115.50
13	90.65	88.10	85.75	83.46	80.40	79.73	78.80	78.34	82.13	95.00	---	115.63
14	90.65	88.10	85.73	83.45	80.44	79.90	78.68	78.27	82.81	95.45	---	115.75
15	90.65	88.10	85.63	83.42	80.48	79.93	78.68	78.43	83.20	95.77	---	115.97
16	90.57	88.13	85.38	83.29	80.44	79.87	78.72	78.50	83.65	96.30	---	116.16
17	90.50	88.03	85.32	83.10	80.25	79.71	78.72	78.47	84.25	97.15	---	116.26
18	90.47	87.87	85.23	82.87	80.20	79.66	78.68	78.46	84.90	98.00	---	116.50
19	90.43	87.77	84.97	82.72	80.10	79.67	78.64	78.45	85.30	98.90	---	116.78
20	90.33	87.67	84.83	82.55	80.05	79.48	78.59	78.43	85.50	99.90	---	116.79
21	90.20	87.63	84.77	82.34	80.15	79.33	78.50	78.43	85.60	100.60	---	116.58
22	90.05	87.60	84.70	82.08	80.10	79.45	78.42	78.40	86.30	101.10	---	116.13
23	89.95	87.53	84.65	81.92	80.05	79.41	78.33	78.16	86.95	101.50	---	115.54
24	89.93	87.37	84.57	82.00	80.15	79.32	78.27	78.04	87.35	101.95	---	114.95
25	89.94	87.17	84.59	81.90	80.20	79.41	78.29	77.83	88.10	102.27	---	114.61
26	89.95	87.05	84.68	81.80	80.12	79.48	78.32	77.72	88.30	102.30	111.35	114.57
27	89.93	86.95	84.74	81.69	80.09	79.48	78.28	77.86	88.60	102.33	112.10	114.22
28	89.93	---	84.85	81.65	80.13	79.33	78.30	77.97	89.20	102.35	112.83	114.02
29	89.67	---	84.83	81.63	80.15	79.23	78.22	78.04	89.50	102.47	113.55	114.30
30	89.60	---	84.62	81.62	---	79.05	78.23	78.09	89.85	102.47	114.15	114.55
31	89.55	---	84.38	81.57	---	79.10	---	78.17	---	102.50	---	---
MEAN	90.43	88.12	85.36	82.58	80.52	79.70	78.73	78.28	83.46	97.07	108.52	115.45

WTR YR 1980 MEAN 87.75 HIGH 77.72 LOW 116.79

DOUGHERTY COUNTY

313554084062601 Local number, 13L2.

LOCATION.--Lat 31°35'54", long 84°06'25", Hydrologic Unit 03130008, Malone and Gardner Avenue near main entrance to Turner Field, Albany.

Owner: City of Albany, Turner City.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 12 in. (30.5 cm) and 8 in. (20.3 cm), depth 760 ft (231.6 m), cased to 713 ft (217.3 m), open hole.

DATUM.--Altitude of land-surface is 212.84 ft (64.874 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.2 ft (0.98 m) above land-surface datum.

REMARKS.--Well pumped and sounded to a depth of 760 ft (231.6 m), June 21, 1978: water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted March 17, 1977.

PERIOD OF RECORD.--December 1957 to December 1959, January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.19 ft (11.640 m) below land-surface datum, April 1, 1959; lowest, 151.56 ft (46.195 m) below land-surface datum, September 23, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125.93	130.13	124.97	115.51	119.78	119.70	120.32	121.69	124.84	132.72	137.00	144.72
2	127.40	130.31	125.52	115.33	120.13	121.60	120.34	122.06	124.88	132.48	137.60	145.62
3	128.19	130.34	125.84	116.38	120.24	121.66	120.17	122.33	125.20	132.40	138.10	146.14
4	128.26	130.27	125.85	116.70	120.51	121.66	120.05	122.54	124.93	132.58	138.60	146.51
5	128.11	130.27	125.06	116.71	120.98	121.25	120.05	122.09	125.96	132.53	139.10	146.52
6	128.03	129.62	124.80	117.13	121.14	119.17	119.70	121.91	126.74	132.39	139.80	146.59
7	127.11	129.88	125.36	117.51	120.17	119.91	119.35	122.21	127.47	132.33	140.50	146.77
8	127.72	129.92	125.85	117.32	122.18	118.46	119.30	122.36	128.27	132.77	141.10	146.82
9	126.58	129.53	126.09	117.91	122.83	117.27	119.43	122.79	128.85	133.15	141.60	146.68
10	126.74	129.16	125.84	118.26	121.43	116.49	119.41	123.12	129.09	132.97	141.90	146.78
11	127.15	128.84	125.57	118.65	121.39	118.70	119.69	123.05	129.58	133.51	141.80	146.98
12	124.86	128.38	123.19	118.73	120.69	119.98	119.85	121.16	130.08	134.25	141.60	147.62
13	125.59	127.76	122.77	118.73	121.51	120.77	119.87	122.66	130.77	134.82	141.60	148.28
14	125.99	125.25	124.30	118.41	121.77	121.53	119.64	123.66	131.42	135.17	141.50	148.70
15	126.35	126.07	123.61	115.90	121.46	121.75	119.34	124.37	131.99	135.54	141.40	148.99
16	126.04	126.16	123.71	117.04	122.38	121.42	119.67	124.56	132.39	135.68	141.50	149.35
17	126.22	126.09	123.98	117.70	123.21	120.96	120.01	124.68	132.89	135.80	141.70	149.96
18	126.77	125.96	123.95	115.93	123.40	119.06	120.18	124.47	133.34	136.25	141.50	150.41
19	127.28	125.87	123.68	114.55	123.37	117.13	120.22	123.98	133.76	136.61	141.10	150.70
20	128.75	125.86	123.95	116.28	123.40	118.08	120.01	124.11	134.18	136.67	140.80	150.97
21	129.57	125.77	123.85	116.18	122.27	119.74	119.67	124.54	134.44	136.69	140.90	151.28
22	129.60	125.46	121.70	115.82	123.06	118.82	119.95	124.95	134.51	136.77	141.30	151.36
23	129.84	125.03	122.10	115.68	123.78	119.60	120.04	125.23	134.37	136.95	141.80	151.56
24	130.12	124.79	121.92	115.97	124.04	119.79	120.53	125.20	134.33	137.11	142.20	151.15
25	130.39	124.65	121.47	116.64	123.71	119.83	120.99	124.94	134.32	137.05	142.40	151.28
26	130.79	124.63	120.71	116.92	120.95	119.75	121.22	122.82	134.12	136.80	142.40	151.37
27	130.85	124.68	120.08	116.78	119.48	119.93	121.26	123.60	134.04	136.55	142.60	151.13
28	130.44	124.40	120.06	118.20	121.49	120.04	120.78	124.28	133.96	136.51	142.70	151.06
29	130.05	124.59	119.87	118.95	120.82	120.13	120.84	124.53	133.78	136.58	142.76	151.13
30	129.90	125.01	118.28	119.32	---	119.85	121.41	124.58	133.28	137.24	143.16	151.29
31	129.94	---	118.02	119.48	---	120.07	---	124.93	---	136.49	143.78	---
MEAN	128.08	127.16	123.29	117.12	121.78	119.81	120.11	123.53	130.93	135.01	141.15	148.92

WTR YR 1980 MEAN 128.07 HIGH 114.55 LOW 151.56

DOUGHERTY COUNTY

313748084002901 Local number, 13L3.

LOCATION.--Lat 31°37'48", long 84°00'29", Hydrologic Unit 03130008, near northeast corner of Marine Corps Supply Center, Acree, Ga.

Owner: City of Albany and Dougherty County.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 6 in. (15.2 cm), depth 259 ft (78.9 m), cased to 206 ft (62.8 m), open hole.

DATUM.--Altitude of land-surface is 225 ft (68.6 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 4.10 ft (1.250 m) above land-surface datum.

REMARKS.--Well pumped and sounded June 21, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted March 17, 1977.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.41 ft (5.307 m) below land-surface datum, April 2, 1965; lowest, 43.89 ft (13.378 m) below land-surface datum, December 26, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.06	33.25	33.63	34.74	33.15	32.82	23.48	22.27	24.47	28.42	30.72	33.02
2	31.89	33.30	33.77	34.81	33.04	33.00	23.24	22.32	24.58	28.53	30.80	33.12
3	31.95	33.42	33.82	34.81	32.92	33.14	22.93	22.42	24.70	28.63	30.91	33.24
4	31.80	33.54	33.75	34.81	32.88	33.10	22.57	22.53	24.81	28.73	31.05	33.35
5	31.79	33.57	33.68	34.97	32.82	33.04	22.18	22.65	24.95	28.82	31.19	33.43
6	31.76	33.57	33.64	35.03	32.68	33.17	22.11	22.83	25.13	28.90	31.30	33.48
7	31.80	33.58	33.86	35.02	32.83	33.15	22.07	22.97	25.25	29.02	31.35	33.55
8	31.83	33.59	33.98	35.07	32.80	32.96	22.14	23.03	25.32	29.15	31.42	33.65
9	31.82	33.60	34.02	35.12	32.60	32.52	21.98	23.22	25.42	29.25	31.48	33.73
10	31.83	33.70	33.99	35.08	32.58	31.67	21.89	23.36	25.61	29.35	31.61	33.78
11	31.87	33.68	33.98	35.02	32.70	30.75	22.02	23.47	25.80	29.47	31.68	33.92
12	31.94	33.56	34.00	35.10	32.72	30.02	22.02	23.60	25.98	29.49	31.78	34.05
13	32.02	33.42	34.06	35.08	32.74	28.93	22.04	23.70	26.10	29.59	31.87	34.13
14	32.14	33.42	34.14	35.12	32.60	27.98	21.80	23.82	26.21	29.72	31.92	34.08
15	32.18	33.36	34.20	35.17	32.51	27.42	21.54	23.98	26.36	29.84	31.93	34.10
16	32.20	33.27	34.18	35.17	32.30	26.95	21.68	24.02	26.52	29.92	31.94	34.18
17	32.28	33.24	34.32	35.17	32.48	26.48	21.78	24.07	26.65	29.97	32.00	34.27
18	32.38	33.22	34.36	35.21	32.62	26.10	21.74	24.18	26.72	30.07	32.07	34.33
19	32.42	33.27	34.33	35.30	32.53	25.70	21.70	24.21	26.82	30.22	32.14	34.38
20	32.49	33.32	34.37	35.29	32.50	25.33	21.63	24.28	26.91	30.33	32.21	34.42
21	32.56	33.33	34.43	35.22	32.58	24.96	21.35	24.40	27.00	30.42	32.27	34.47
22	32.59	33.32	34.43	35.09	32.60	24.80	21.12	24.47	27.03	30.47	32.35	34.52
23	32.60	33.29	34.45	35.02	32.62	24.83	21.19	24.42	27.00	30.55	32.45	34.55
24	32.69	33.38	34.40	35.02	32.65	24.96	21.25	24.20	27.03	30.62	32.55	34.61
25	32.79	33.35	34.46	34.89	32.63	25.10	21.23	24.05	27.08	30.72	32.61	34.68
26	32.85	33.43	34.57	34.50	32.82	25.18	21.33	24.00	27.50	30.80	32.72	34.68
27	32.92	33.56	34.67	34.00	32.75	25.26	21.48	24.04	28.08	30.83	32.71	34.72
28	32.93	33.48	34.73	33.77	32.70	25.18	21.82	24.00	28.14	30.90	32.78	34.72
29	33.02	33.54	34.71	33.50	32.79	25.11	21.88	24.15	28.17	30.52	32.85	34.72
30	33.12	33.62	34.65	33.30	---	24.44	22.00	24.28	28.25	30.51	32.92	34.72
31	33.22	---	34.72	33.10	---	23.68	---	24.38	---	30.63	32.98	---
MEAN	32.31	33.44	34.20	34.79	32.69	28.31	21.91	23.66	26.32	29.82	31.95	34.09

WTR YR 1980   MEAN 30.29   HIGH 21.12   LOW 35.30

FULTON COUNTY

334207084254801 Local number, 10DD2.

LOCATION.—Lat 33°42'07", long 84°25'48", Hydrologic Unit 03130002, 0.25 mi (0.4 km) south of main entrance, 260 ft (79.2 m) west of Roosevelt Highway.
Owner: U.S. Army, Ft. McPherson.

AQUIFER.—Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 12 in. (30.5 cm), depth 338 ft (103.0 m), cased to 41 ft (12.5 m), open hole.

DATUM.—Altitude of land-surface datum is 1,013 ft (309 m), from topographic map.
Measuring point: At land-surface datum.

REMARKS.—Well pumped and sounded February 14, 1976, to a depth of 338 ft (103.0 m). Borehole geophysical survey conducted November 19, 1974.

PERIOD OF RECORD.—November 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.10 ft (0.030 m) below land-surface datum, March 30, 1980; lowest, 7.52 ft (2.292 m) below land-surface datum, November 8, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	3.60	2.13	3.20	2.66	1.47	.33	1.77	2.27	3.27	4.73	5.95
2	2.95	3.53	2.27	3.33	2.64	1.55	.45	1.83	2.30	3.35	4.70	6.00
3	3.08	3.53	2.33	3.35	2.61	1.65	.45	1.85	2.35	3.37	4.73	6.03
4	3.10	3.67	2.25	3.27	2.63	1.63	.50	1.85	2.40	3.37	4.80	6.05
5	2.90	3.67	2.15	3.35	2.65	1.50	.67	1.87	2.45	3.40	4.97	6.10
6	2.75	3.63	2.13	3.43	2.55	1.53	.80	1.90	2.50	3.43	5.17	6.05
7	2.85	3.60	2.30	3.40	2.68	1.47	.83	1.97	2.55	3.47	5.23	6.00
8	2.97	3.55	2.53	3.38	2.77	1.07	.85	2.00	2.57	3.55	5.13	6.07
9	2.97	3.50	2.63	3.43	2.50	.77	.90	2.07	2.65	3.57	5.10	6.13
10	2.99	3.50	2.60	3.47	2.23	.70	.97	2.15	2.67	3.60	5.13	6.13
11	3.03	3.50	2.57	3.33	2.19	.83	1.10	2.20	2.77	3.63	5.20	6.17
12	3.07	3.47	2.60	3.25	2.28	.83	1.10	2.25	2.88	3.67	5.33	6.23
13	3.15	3.47	2.60	3.23	2.42	.55	1.05	2.27	2.94	3.75	5.43	6.30
14	3.27	3.53	2.70	3.15	2.42	.60	.90	2.27	2.90	3.87	5.43	6.30
15	3.33	3.57	2.77	3.25	2.33	.70	.97	2.33	2.95	4.00	5.40	6.25
16	3.28	3.55	2.73	3.25	2.14	.75	1.10	2.43	3.00	4.03	5.40	6.30
17	3.33	3.55	2.87	3.10	2.17	.73	1.23	2.40	3.05	4.00	5.43	6.35
18	3.35	3.55	2.93	2.63	2.28	.75	1.20	2.40	3.03	4.07	5.47	6.43
19	3.35	4.95	2.83	2.33	2.22	.85	1.23	2.40	3.04	4.23	5.45	6.50
20	3.37	3.63	2.95	2.33	2.16	.70	1.27	2.27	3.10	4.33	5.43	6.50
21	3.38	2.55	3.03	2.34	2.23	.63	1.23	2.20	3.17	4.30	5.43	6.43
22	3.39	2.40	2.97	2.25	2.27	.75	1.30	2.25	3.23	4.25	5.45	6.40
23	3.35	2.33	2.97	2.13	2.26	.80	1.33	2.10	3.25	4.25	5.60	6.35
24	3.37	2.37	2.93	2.20	2.28	.75	1.35	1.85	3.15	4.23	5.70	6.32
25	3.45	2.13	2.95	2.23	2.26	.85	1.43	1.67	3.09	4.37	5.70	6.33
26	3.50	1.90	3.13	2.33	2.47	.93	1.50	1.80	3.13	4.40	5.73	6.40
27	3.55	1.93	3.20	2.43	2.40	.97	1.55	1.95	3.18	4.40	5.80	6.43
28	3.50	1.87	3.27	2.47	2.65	.77	1.59	2.09	3.25	4.42	5.85	6.40
29	3.47	2.00	3.27	2.59	1.45	.43	1.60	2.14	3.23	4.57	5.87	6.27
30	3.55	2.07	3.13	2.60	---	.10	1.67	2.17	3.20	4.63	5.90	6.07
31	3.60	---	3.13	2.55	---	.15	---	2.25	---	4.70	5.90	---
MEAN	3.23	3.14	2.74	2.89	2.37	.90	1.08	2.10	2.88	3.95	5.37	6.24

WTR YR 1980 MEAN 3.07 HIGH .10 LOW 6.50

GLYNN COUNTY

310726081285801 Local number, 34G1.

LOCATION.--Lat 31°07'26", long 81°28'58", Hydrologic Unit 03070203, Babcock and Wilcox yards near Newcastle Street and King Shrimp Co. in Brunswick.

Owner: Babcock and Wilcox Co.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused industrial well, diameter 18 in. (45.7 cm), depth 1,006 ft (306.6 m), cased to 589 ft (179.5 m), open hole.

DATUM.--Altitude of land-surface is 9 ft (2.7 m) National Geodetic Vertical Datum of 1929.

Measuring point: Center of recorder, 2.0 ft (0.61 m) above land-surface datum.

REMARKS.--Borehole geophysical survey conducted May 28, 1964.

PERIOD OF RECORD.--December 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.93 ft (7.600 m) above land-surface datum, December 12, 1960; lowest, 3.47 ft (1.058 m) above land-surface datum, July 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND SURFACE DATUM , WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.12	6.62	6.75	9.72	---	8.75	8.17	8.30	8.48	7.20	5.80	6.20
2	6.20	6.42	6.75	9.05	---	9.02	8.22	8.30	8.20	6.78	5.90	7.50
3	6.47	6.30	7.00	8.65	---	---	8.20	8.45	7.60	6.51	6.10	6.75
4	6.72	6.47	6.75	8.20	---	---	8.35	8.50	7.50	6.55	6.40	6.45
5	6.52	6.77	7.00	8.30	---	---	---	8.50	7.50	6.57	7.30	6.25
6	6.65	6.95	7.25	8.55	---	---	---	8.40	7.40	6.51	7.55	6.35
7	6.62	6.50	7.25	8.55	---	7.90	8.35	8.20	7.40	6.54	7.65	6.15
8	6.37	6.50	7.00	8.20	8.20	8.37	8.34	8.15	7.60	6.20	8.05	6.65
9	6.60	6.52	7.50	8.10	8.50	8.52	8.20	8.25	7.60	6.00	8.45	5.35
10	6.42	6.57	7.25	8.45	9.00	8.50	8.05	8.60	7.40	5.80	8.55	5.90
11	6.45	6.70	7.00	8.75	8.77	8.45	7.90	8.70	7.20	5.75	8.45	5.85
12	6.37	6.55	7.00	8.50	8.25	8.55	8.15	8.48	7.20	5.95	8.30	5.90
13	6.47	6.45	7.30	8.50	8.20	9.12	8.60	8.15	7.20	6.20	8.25	6.30
14	6.60	6.22	7.25	8.35	8.25	9.00	8.35	8.05	7.40	5.85	8.10	6.50
15	6.49	6.45	7.42	8.20	8.50	8.75	7.95	8.00	7.40	5.55	8.08	6.44
16	6.40	6.32	7.45	8.00	8.80	8.97	8.10	8.05	7.20	5.50	8.30	6.05
17	6.37	6.37	7.05	8.25	8.50	8.70	8.24	8.25	7.00	5.40	8.25	6.25
18	6.25	6.47	6.97	---	---	8.50	8.39	8.45	6.60	5.27	7.50	6.30
19	6.20	6.40	6.80	---	---	8.27	8.45	8.50	6.80	5.40	6.65	6.40
20	6.35	6.02	6.68	---	---	8.47	8.55	8.75	6.80	5.50	6.75	6.70
21	6.50	6.02	6.95	---	---	8.36	8.75	9.10	7.00	5.40	6.13	7.05
22	6.47	6.30	7.15	---	8.50	8.67	8.55	9.45	7.20	5.20	6.10	6.75
23	6.60	6.62	7.25	---	8.77	8.82	8.50	9.75	7.20	5.30	6.20	6.55
24	6.40	6.57	8.00	---	8.95	8.80	8.50	9.95	7.00	5.45	6.25	6.55
25	6.45	6.62	9.77	8.35	8.80	8.37	8.40	9.75	7.00	5.60	5.60	6.55
26	6.30	6.50	10.72	8.45	8.15	8.10	8.50	9.50	7.20	5.95	5.50	6.50
27	6.40	6.50	11.35	8.62	8.20	8.20	8.75	8.65	7.00	6.40	5.45	6.85
28	6.55	---	11.42	8.35	8.50	8.30	8.55	8.40	7.40	6.00	5.50	7.25
29	6.47	---	11.00	8.22	8.47	8.45	8.44	8.30	7.50	5.95	5.57	7.00
30	6.10	6.50	10.52	8.00	---	8.95	8.35	8.05	7.40	5.70	5.75	7.10
31	6.42	---	9.90	8.37	---	8.70	---	8.23	---	5.92	5.85	---
MEAN	6.43	6.47	7.92	8.45	8.52	8.58	8.35	8.59	7.31	5.93	6.91	6.48

WTR YR 1980   MEAN   7.43   MAX   11.42   MIN   5.20

GLYNN COUNTY

311007081301702 Local number, 33H133.

LOCATION.--Lat 31°10'07", long 81°30'17", Hydrologic Unit 03070203, near the intersection of Newcastle and Oak Streets to the south of the cemetery in Brunswick.
Owner: U.S. Geological Survey, test well 6.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. (10.1 cm), depth 790 ft (240.8 m), cased to 520 ft (158.5 m), open hole.

DATUM.--Altitude of land-surface is 7 ft (2.1 m) National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 3.0 ft (0.91 m) above land-surface datum.

REMARKS.--Well pumped monthly; water-quality samples collected at conclusion of pumping. Borehole geophysical survey conducted September 26, 1977.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.07 ft (2.765 m) above land-surface datum, December 26, 1965; lowest, 21.87 ft (6.666 m) below land-surface datum, July 22, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.46	18.25	17.07	14.70	16.15	15.40	15.88	16.47	17.37	18.76	20.73	15.42
2	16.70	18.45	16.90	14.95	15.75	15.83	16.20	16.63	17.56	19.37	20.57	9.90
3	17.23	18.15	16.85	15.40	15.95	16.37	16.30	16.65	17.97	19.87	20.05	18.13
4	17.55	18.37	16.83	15.20	16.00	16.63	16.43	16.65	18.13	20.13	17.30	18.95
5	17.37	18.17	16.73	15.55	16.20	16.55	16.50	16.85	18.13	20.25	14.85	19.65
6	18.03	17.87	16.55	15.83	16.05	16.93	16.45	16.50	18.36	20.23	14.30	20.67
7	17.87	18.03	16.53	15.92	16.17	16.55	16.50	16.45	18.48	20.30	14.13	20.87
8	18.05	18.10	16.67	15.57	16.20	16.50	16.53	16.53	18.32	20.67	14.05	20.70
9	18.35	18.03	16.83	16.05	15.90	16.33	16.45	16.23	18.17	21.20	13.65	20.27
10	18.17	18.10	17.13	16.13	15.57	15.45	16.65	15.90	18.27	21.35	13.53	19.70
11	17.80	18.17	17.03	16.14	15.90	14.33	16.77	15.77	18.61	21.60	13.45	20.43
12	18.33	18.25	17.10	16.13	16.00	13.80	16.75	15.97	18.62	21.15	13.37	20.37
13	18.17	18.10	16.27	15.82	15.97	13.10	16.40	16.50	18.67	21.00	13.43	19.80
14	18.07	18.13	17.60	15.90	15.97	13.85	16.43	17.13	18.63	20.77	13.63	19.70
15	17.95	18.40	17.67	16.10	15.63	14.75	15.53	17.05	18.53	21.45	13.85	19.47
16	18.05	18.37	17.75	16.13	15.37	15.10	16.07	16.67	18.67	21.53	14.23	19.57
17	18.27	18.30	18.17	16.17	15.47	15.33	16.17	16.53	19.18	21.55	14.65	19.30
18	18.47	18.25	18.67	15.80	15.45	15.17	16.20	16.45	19.18	21.63	16.55	19.25
19	18.55	18.33	19.10	16.00	15.33	15.27	16.10	13.65	19.28	21.73	18.77	18.85
20	18.00	18.73	19.43	15.85	15.53	15.07	15.93	11.05	18.92	21.63	19.55	18.97
21	18.27	18.47	19.25	15.55	15.73	14.95	15.70	10.87	19.22	21.33	19.75	19.07
22	18.30	18.20	19.10	15.20	15.75	15.30	15.77	10.73	19.23	21.33	20.00	18.65
23	18.27	17.93	17.47	15.60	15.93	15.37	15.93	11.50	18.82	21.23	20.17	18.40
24	18.40	18.27	13.20	15.80	15.87	15.45	16.65	13.17	18.74	20.67	20.30	18.70
25	18.43	18.57	---	15.73	15.90	15.57	16.83	14.85	18.06	20.85	20.37	19.03
26	18.50	18.73	---	15.73	16.37	15.80	16.77	16.13	18.15	21.00	20.30	19.15
27	18.55	18.97	---	15.70	16.23	15.87	16.60	16.80	18.81	20.73	20.27	19.00
28	18.33	18.23	---	15.88	16.03	15.95	16.47	17.17	18.81	20.73	20.43	18.45
29	18.30	17.43	---	15.95	16.05	16.00	16.63	17.43	18.61	20.67	20.70	18.25
30	18.57	17.17	---	16.00	---	15.63	16.53	17.50	18.64	18.97	20.63	17.93
31	17.75	---	---	15.85	---	15.75	---	17.43	---	20.35	20.65	---
MEAN	18.10	18.22	17.33	15.75	15.88	15.48	16.34	15.65	18.54	20.78	17.36	18.89

WTR YR 1980 MEAN 17.36 HIGH 9.90 LOW 21.73

LAMAR COUNTY

330858084122901 Local number, 1221.

LOCATION.--Lat 33°08'58", long 84°12'29", Hydrologic Unit 03130005, north of Milner, Ga., at the gas storage center.
Owner: Dixie Pipeline Co.

AQUIFER.--Residuum.

WELL CHARACTERISTICS.--Bored observation well, diameter 24 in. (61.0 cm), depth 31 ft (9.4 m), cased to 31 ft (9.4 m).

DATUM.--Altitude of land-surface is 852 ft (259.7 m) National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 2.0 ft (0.61 m) above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--January 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.37 ft (1.637 m) below land-surface datum, April 9, 1973; lowest, 13.63 ft (4.154 m) below land-surface datum, December 15, 1970.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.93	11.90	11.24	11.88	9.64	9.07	5.60	6.63	7.57	8.45	10.00	11.40
2	10.82	11.93	11.24	11.84	9.64	9.14	5.67	6.73	7.65	8.55	10.05	11.42
3	10.80	11.93	11.26	11.81	9.63	9.23	5.70	6.80	7.74	8.65	10.10	11.44
4	10.79	11.97	11.28	11.77	9.65	9.27	5.63	6.90	7.80	8.73	10.15	11.50
5	10.76	12.03	11.30	11.73	9.68	9.27	5.63	6.97	7.87	8.77	10.23	11.57
6	10.75	12.05	11.33	11.68	9.69	9.20	5.67	7.03	7.93	8.83	10.30	11.61
7	10.76	12.07	11.35	11.62	9.73	9.07	5.73	7.10	8.00	8.90	10.35	11.64
8	10.79	12.10	11.40	11.60	9.76	8.75	5.77	7.17	8.03	8.95	10.37	11.67
9	10.84	12.13	11.48	11.56	9.71	8.30	5.77	7.27	8.02	9.00	10.43	11.70
10	10.89	12.15	11.49	11.53	9.48	8.00	5.87	7.35	8.07	9.05	10.47	11.75
11	10.94	12.10	11.54	11.48	9.33	7.90	5.97	7.43	8.15	9.10	10.53	11.77
12	11.00	12.05	11.57	11.43	9.20	7.73	6.07	7.47	8.22	9.15	10.57	11.80
13	11.07	12.03	11.61	11.40	9.20	7.33	6.05	7.53	8.27	9.17	10.63	11.85
14	11.14	12.00	11.65	11.35	9.12	7.10	5.85	7.60	8.32	9.23	10.65	11.87
15	11.19	12.00	11.67	11.32	9.16	7.08	5.65	7.67	8.37	9.27	10.70	11.93
16	11.25	12.00	11.72	11.31	9.00	7.04	5.63	7.73	8.43	9.33	10.75	11.91
17	11.30	12.03	11.74	11.28	9.06	7.00	5.67	7.78	8.47	9.35	10.77	11.90
18	11.35	12.05	11.78	11.12	9.17	6.88	5.67	7.76	8.52	9.35	10.83	11.93
19	11.40	12.07	11.81	10.87	9.22	6.75	5.65	7.77	8.57	9.40	10.87	11.97
20	11.45	12.13	11.84	10.65	9.23	6.58	5.60	7.66	8.53	9.47	10.90	12.00
21	11.50	12.15	11.87	10.47	9.27	6.47	5.60	7.47	8.57	9.50	10.95	12.02
22	11.55	12.17	11.91	10.30	9.30	6.55	5.67	7.25	8.63	9.55	10.98	12.04
23	11.60	12.20	11.94	10.15	9.17	6.57	5.77	7.06	8.72	9.57	11.03	12.07
24	11.65	12.20	11.96	10.03	9.03	6.55	5.85	6.94	8.70	9.63	11.07	12.12
25	11.67	12.17	11.95	9.94	8.98	6.58	5.97	6.90	8.57	9.67	11.13	12.15
26	11.70	11.93	11.98	9.88	8.97	6.75	6.10	6.95	8.43	9.73	11.16	12.17
27	11.75	11.65	12.03	9.76	8.98	6.82	6.20	7.07	8.33	9.77	11.21	12.22
28	11.77	11.43	12.05	9.70	8.97	6.55	6.27	7.23	8.32	9.80	11.25	12.24
29	11.83	11.30	12.07	9.70	9.01	6.07	6.37	7.32	8.33	9.85	11.30	12.20
30	11.85	11.27	12.06	9.69	---	5.68	6.47	7.40	8.37	9.90	11.34	12.10
31	11.87	---	11.95	9.66	---	5.53	---	7.48	---	9.95	11.37	---
MEAN	11.26	11.97	11.68	10.92	9.31	7.45	5.84	7.27	8.25	9.28	10.72	11.87

WTR YR 1980 MEAN 9.65 HIGH 5.53 LOW 12.24

LAURENS COUNTY

322652083033001 Local number, 21T1.
LOCATION.--Lat 32°26'52", long 83°03'30", Hydrologic Unit 03070102, approximately 1.8 mi (2.8 km) northeast of Dexter, Ga.
Owner: Danny Hogan.
AQUIFER.--Principal artesian aquifer.
WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in. (10.1 cm), depth 123 ft (37.5 m), cased to 89 ft (27.1 m), open hole.
DATUM.--Altitude of land-surface datum is 252 ft (76.8 m), from barometric levels.
Measuring point: Floor of recorder shelter, 2.57 ft (0.783 m) above land-surface datum.
REMARKS.--Borehole geophysical survey conducted November 1973.
PERIOD OF RECORD.--March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.11 ft (7.349 m) below land-surface datum, February 14, 1972; lowest, 39.58 ft (12.064 m) below land-surface datum, November 12, 1968.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.29	33.49	32.61	32.44	30.60	29.70	24.16	25.11	28.49	32.06	35.04	36.48
2	32.14	33.50	32.64	32.50	30.54	29.71	24.19	25.26	28.59	32.15	35.11	36.52
3	32.10	33.51	32.70	32.55	30.44	29.85	24.19	25.39	28.72	32.24	35.20	36.56
4	32.08	33.61	32.70	32.51	30.38	29.89	24.14	25.47	28.88	32.32	35.29	36.63
5	32.06	33.68	32.63	32.49	30.35	29.87	24.12	25.55	29.04	32.43	35.43	36.69
6	32.06	33.70	32.52	32.57	30.25	29.87	24.18	25.68	29.25	32.53	35.51	36.72
7	32.06	33.70	32.47	32.56	30.22	29.89	24.21	25.84	29.40	32.64	35.60	36.76
8	32.08	33.71	32.56	32.54	30.26	29.81	---	25.98	29.53	32.77	35.68	36.82
9	32.12	33.71	32.60	32.55	30.23	29.70	---	26.15	29.67	32.88	35.73	36.88
10	32.15	33.70	32.60	32.59	30.13	29.48	---	26.34	29.85	32.98	35.81	36.93
11	32.21	33.64	32.56	32.53	30.12	29.32	---	26.48	30.04	33.06	35.89	36.97
12	32.25	33.44	32.53	32.52	30.08	29.00	---	26.65	30.24	33.15	35.93	37.04
13	32.31	33.14	32.49	32.52	30.06	27.94	---	26.81	30.41	33.29	35.97	37.11
14	32.46	33.01	32.48	32.46	30.04	27.17	---	26.96	30.53	33.43	36.02	37.16
15	32.54	32.87	32.49	32.48	29.94	26.71	24.61	27.12	30.68	33.58	36.04	37.18
16	32.58	32.77	32.45	32.50	29.76	26.34	24.69	27.37	30.83	33.67	36.06	37.24
17	32.62	32.71	32.45	32.46	29.71	26.01	24.79	27.55	30.98	33.77	36.11	37.32
18	32.69	32.64	32.50	32.43	29.78	25.72	24.83	27.67	31.09	33.88	36.14	37.39
19	32.74	32.61	32.47	32.42	29.78	25.55	24.74	27.86	31.21	34.02	36.15	37.45
20	32.81	32.61	32.45	32.42	29.72	25.33	24.48	27.90	31.32	34.13	36.15	37.48
21	32.85	32.61	32.48	32.41	29.70	25.09	24.34	28.02	31.45	34.22	36.17	37.52
22	32.88	32.60	32.49	32.32	29.69	25.03	24.30	28.07	31.59	34.28	36.21	37.55
23	32.89	32.56	32.47	32.07	29.67	24.98	24.30	28.07	31.71	34.33	36.24	37.58
24	32.95	32.55	32.43	31.96	29.67	24.91	24.32	28.07	31.73	34.40	36.28	37.61
25	33.02	32.52	32.37	31.73	29.65	24.87	24.45	28.07	31.73	34.48	36.30	37.60
26	33.10	32.45	32.40	31.54	29.71	24.87	24.57	28.07	31.74	34.54	36.30	37.63
27	33.19	32.52	32.45	31.35	29.77	24.87	24.65	28.07	31.81	34.59	36.30	37.66
28	33.22	32.52	32.52	31.17	29.72	24.77	24.74	28.09	31.90	34.63	36.32	37.66
29	33.26	32.52	32.57	31.02	29.69	24.60	24.84	28.16	31.98	34.71	36.36	37.65
30	33.33	32.59	32.48	30.86	---	24.28	24.96	28.26	31.98	34.82	36.40	37.60
31	33.44	---	32.45	30.67	---	24.16	---	28.37	---	34.94	36.44	---
MEAN	32.60	33.04	32.52	32.17	29.99	27.07	24.47	27.05	30.55	33.58	35.94	37.18

WTR YR 1980 MEAN 31.49 HIGH 24.12 LOW 37.66

LIBERTY COUNTY

314343081251901 Local number, 34M54.

LOCATION.--Lat 31°43'43", long 81°25'19", Hydrologic Unit 03060204, Riceboro, Ga., near entrance to Interstate Paper Co.
Owner: U.S. Geological Survey, test well 2.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. (10.1 cm), depth 802 ft (244.4 m), cased to 467 ft (142.3 m), open hole.

DATUM.--Altitude of land-surface is 19 ft (5.8 m) National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 3.4 ft (1.04 m) above land-surface datum.

REMARKS.--Well pumped July 11, 1979; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 15, 1976.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.85 ft (0.259 m) below land-surface datum, February 5, 1967; lowest, 22.08 ft (6.730 m) below land-surface datum, September 9, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.30	20.60	21.30	20.35	20.60	20.10	20.05	---	19.95	20.20	21.10	21.78
2	20.40	20.60	21.30	20.40	20.70	20.15	20.15	19.90	20.00	20.20	21.15	21.85
3	20.40	20.65	21.40	20.40	20.65	20.40	20.10	19.95	19.95	20.40	21.18	21.90
4	20.42	20.75	21.35	20.30	20.60	20.40	20.05	19.90	19.95	20.38	21.20	21.70
5	20.42	20.15	21.28	20.38	20.65	20.30	20.08	---	20.05	20.35	21.28	22.00
6	20.55	19.30	21.15	20.55	20.40	20.30	20.12	---	20.08	20.30	21.35	22.05
7	20.50	18.95	21.10	20.45	20.45	20.35	20.00	---	20.10	20.30	21.45	21.90
8	20.57	18.90	21.25	20.50	20.85	20.20	19.80	---	20.05	20.35	21.48	22.05
9	20.55	19.95	21.40	20.55	20.80	20.10	19.25	---	19.95	20.45	21.40	22.08
10	20.40	20.90	21.38	20.65	20.40	20.05	18.95	---	20.02	20.45	21.28	22.00
11	20.35	21.25	21.38	20.50	20.35	20.10	19.25	---	20.02	20.43	21.25	21.90
12	20.40	21.40	21.45	20.40	20.35	20.05	19.25	19.90	20.10	20.38	21.35	21.80
13	20.53	21.25	21.40	20.20	20.50	19.85	19.65	19.90	20.15	20.40	21.35	21.75
14	20.65	21.25	21.40	20.10	20.55	20.10	20.10	19.88	20.28	20.45	21.40	21.68
15	20.75	21.35	21.35	20.25	20.40	20.30	20.30	19.90	20.28	20.50	21.40	21.60
16	20.73	21.30	21.15	20.35	20.15	20.28	20.25	19.90	20.30	20.60	21.42	21.65
17	20.70	21.30	21.10	20.40	20.10	20.10	20.05	19.90	20.35	20.65	21.48	21.65
18	20.72	21.28	21.28	20.20	20.30	20.15	20.15	19.90	20.25	20.60	21.52	21.58
19	20.75	21.40	21.15	20.50	20.30	20.35	20.18	19.85	20.20	20.50	21.50	21.58
20	20.70	21.65	21.20	20.70	20.15	20.23	20.07	19.80	20.18	20.85	21.45	21.55
21	20.68	21.60	21.25	20.40	20.15	20.00	19.95	19.85	20.12	20.80	21.40	21.50
22	20.68	21.45	21.15	20.15	20.18	20.25	19.90	19.85	20.15	20.75	21.45	21.45
23	20.50	21.25	21.65	19.35	20.15	20.25	19.85	19.85	20.20	20.80	21.55	21.45
24	20.50	21.25	19.95	20.15	20.30	20.15	19.80	19.75	20.20	20.85	21.55	21.43
25	20.55	21.15	19.58	20.15	20.15	20.05	19.90	19.64	20.18	20.90	21.55	21.45
26	20.60	21.10	19.53	20.15	20.35	20.20	---	19.55	20.15	20.85	21.60	21.48
27	20.68	21.22	19.70	20.15	20.35	20.30	---	19.75	20.15	20.85	21.70	21.50
28	20.65	21.10	20.15	20.30	20.15	20.15	---	19.85	20.20	20.83	21.70	21.40
29	20.62	21.10	20.38	20.35	20.15	20.05	---	19.90	20.25	20.85	21.80	21.30
30	20.65	21.20	20.30	20.30	---	19.80	---	19.95	20.25	20.95	21.75	21.25
31	20.75	---	20.30	20.40	---	19.80	---	19.98	---	21.05	21.75	---
MEAN	20.57	20.89	20.96	20.32	20.39	20.16	19.89	19.85	20.14	20.59	21.44	21.68

WTR YR 1980 MEAN 20.60 HIGH 18.90 LOW 22.08

LIBERTY COUNTY

315214081235301 Local number, 34H89.

LOCATION.--Lat 31°52'14", long 81°23'53", Hydrologic Unit 03060204, north of Midway, Ga., near intersection of Georgia Highway 196 and U.S. Highway 17.

Owner: U.S. Geological Survey, test well 1.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. (10.1 cm), depth 789 ft (240.5 m), cased to 410 ft (125.0 m), open hole.

DATUM.--Altitude of land-surface is 17 ft (5.1 m) National Geodetic Vertical Datum of 1929.

Measuring point: Top of 4 in. (10.1 cm) casing, 1.33 ft (0.405 m) above land-surface datum.

REMARKS.--Well pumped July 11, 1979; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 15, 1976.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.34 ft (0.713 m) below land-surface datum, March 6, 1967; lowest, 20.20 ft (6.157 m) below land-surface datum, September 19-20, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.40	18.70	18.70	18.15	17.92	17.70	17.58	17.25	17.48	18.18	19.08	20.05
2	18.38	18.60	18.80	18.25	18.00	17.70	17.60	17.30	17.50	18.30	19.08	20.10
3	18.48	18.65	18.85	18.30	17.95	17.90	17.55	17.30	17.50	18.35	19.10	20.10
4	18.45	18.80	18.75	18.15	17.95	17.90	17.42	17.28	17.48	18.37	19.20	20.15
5	18.40	18.80	18.60	18.15	18.00	17.75	17.55	17.25	17.55	18.38	19.35	20.18
6	18.45	18.75	18.38	18.30	17.85	17.80	17.65	17.20	17.62	18.35	19.40	20.18
7	18.45	18.65	18.45	18.25	17.95	17.85	17.60	17.25	17.65	18.37	19.45	20.12
8	18.52	18.57	18.68	18.20	18.00	17.70	17.55	17.22	17.60	18.45	19.45	20.15
9	18.50	18.45	18.75	18.25	17.75	17.65	17.45	17.25	17.60	18.48	19.40	20.17
10	18.45	18.45	18.70	18.35	17.65	17.55	17.45	17.32	17.62	18.45	19.45	20.15
11	18.42	18.48	18.68	18.20	17.78	17.65	17.50	17.35	17.70	18.40	19.48	20.12
12	18.48	18.52	18.65	18.15	17.85	17.58	17.40	17.38	17.85	18.92	19.48	20.12
13	18.48	18.52	18.55	18.10	17.95	17.40	17.30	17.35	17.90	18.45	19.48	20.17
14	18.65	18.65	18.60	18.00	17.95	17.60	17.20	17.30	17.90	18.55	19.50	20.12
15	18.68	18.75	18.65	18.05	17.80	17.80	17.35	17.30	17.95	18.65	19.52	20.05
16	18.63	18.70	18.55	18.08	17.55	17.80	17.45	17.45	18.02	18.65	19.52	20.03
17	18.62	18.73	18.65	18.00	17.75	17.60	17.55	17.40	18.10	18.65	19.60	20.10
18	18.65	18.65	18.75	17.95	17.90	17.65	17.55	17.40	18.10	18.75	19.65	20.15
19	18.65	18.70	18.65	18.05	17.80	17.75	17.48	17.35	18.10	18.90	19.65	20.20
20	18.70	18.75	18.65	18.00	17.70	17.60	17.40	17.30	18.10	18.93	19.60	20.20
21	18.72	18.75	18.70	17.95	17.75	17.45	17.30	17.30	18.15	18.98	19.60	20.15
22	18.65	18.75	18.60	17.80	17.75	17.60	17.35	17.33	18.20	18.95	19.60	20.10
23	18.55	18.65	18.58	17.65	17.70	17.65	17.30	17.35	18.18	18.88	19.70	20.05
24	18.55	18.68	18.45	17.80	17.75	17.55	17.23	17.25	18.10	18.95	19.75	20.05
25	18.60	18.55	18.38	17.78	17.65	17.55	17.30	17.15	18.08	18.95	19.75	20.05
26	18.70	18.55	18.42	17.75	17.85	17.65	17.35	17.15	18.05	18.90	19.78	20.08
27	18.75	18.70	18.42	17.72	17.85	17.75	17.25	17.35	18.15	18.90	19.85	20.10
28	18.70	18.60	18.50	17.85	17.70	17.60	17.25	17.40	18.20	18.85	19.88	20.08
29	18.65	18.60	18.45	17.90	17.75	17.60	17.20	17.42	18.15	18.90	19.92	19.95
30	18.70	18.70	18.25	17.90	---	17.38	17.20	17.45	18.12	18.95	19.95	19.82
31	18.73	---	18.15	17.80	---	17.45	---	17.48	---	19.05	20.00	---
MEAN	18.57	18.65	18.58	18.03	17.82	17.65	17.41	17.32	17.89	18.67	19.56	20.10

WTR YR 1980 MEAN 18.35 HIGH 17.15 LOW 20.20

LONG COUNTY

313844081361401 Local number, 33H4.

LOCATION.—Lat 31°38'44", long 81°36'14", Hydrologic Unit 03070106, 9 mi (14.4 km) southeast of Ludowici, at Hope Cemetery.
Owner: U.S. Geological Survey, test well 3.

AQUIFER.—Principal artesian aquifer.

WELL CHARACTERISTICS.—Drilled observation well, diameter 4-3 in (10.1-7.6 cm), depth 872 ft (265.8 m), cased to 538 ft (164.0 m), open hole.

DATUM.—Altitude of land-surface is 61.2 ft (18.65 m) National Geodetic Vertical Datum of 1929.
Measuring point: Top of recorder shelter, 3.5 ft (1.07 m) above land-surface datum.

REMARKS.—Well pumped and sounded June 17, 1976, to depth of 861 ft (262.4 m); water-quality sample collected. Borehole geophysical survey conducted July 28, 1976.

PERIOD OF RECORD.—January 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.04 ft (10.375 m) below land-surface datum, January 14, 1968; lowest, 51.03 ft (15.554 m) below land-surface datum, September 1, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.42	---	50.17	48.60	49.30	---	49.27	48.27	49.07	49.63	50.37	51.03
2	49.43	---	50.25	48.50	49.37	---	49.33	48.33	49.07	49.74	50.33	51.00
3	49.55	---	50.33	48.60	---	---	49.25	48.35	49.08	49.78	50.35	50.93
4	49.57	---	50.20	48.60	---	---	49.15	48.35	49.05	49.78	50.40	50.77
5	49.60	---	50.05	48.78	---	---	49.23	48.35	49.08	49.78	50.50	50.57
6	49.65	---	49.80	48.77	---	---	49.35	48.45	49.15	49.73	50.53	50.33
7	49.70	---	49.83	48.80	---	---	49.33	48.45	49.18	49.74	50.60	50.07
8	49.77	---	50.03	48.87	---	---	49.27	48.53	49.10	49.83	50.57	49.87
9	49.76	---	50.13	48.98	---	---	49.15	48.63	49.10	49.87	50.53	49.67
10	49.73	---	50.13	48.80	---	---	49.20	48.70	49.13	49.82	50.55	49.45
11	49.73	---	50.13	48.88	---	---	49.25	48.75	49.22	49.75	50.60	49.25
12	49.80	---	50.13	48.85	---	---	49.20	48.73	49.32	49.78	50.60	49.15
13	49.83	---	50.05	48.87	---	---	49.05	48.20	49.40	49.82	50.63	49.10
14	---	---	50.07	48.95	---	---	49.00	48.67	49.42	49.87	50.67	49.00
15	---	---	50.13	49.08	---	---	49.07	48.72	49.40	49.97	50.67	48.90
16	---	---	50.03	48.97	---	---	49.10	18.88	49.43	49.96	50.67	48.90
17	---	---	50.13	48.98	---	---	49.00	48.91	49.45	49.96	50.75	48.97
18	---	---	50.20	49.07	---	---	48.80	48.91	49.43	50.02	50.77	49.07
19	---	---	50.13	49.13	---	---	48.53	48.88	49.43	50.11	50.75	49.23
20	---	---	---	49.07	---	---	48.25	48.80	49.47	50.18	50.70	49.33
21	---	50.13	---	49.88	---	---	48.00	48.85	49.48	50.23	50.67	49.37
22	---	50.13	---	48.83	---	---	47.87	48.89	49.55	50.21	50.70	49.42
23	---	50.05	---	48.97	---	---	47.77	48.90	49.58	50.14	50.83	49.45
24	---	50.07	---	48.97	---	49.15	47.73	48.80	49.55	50.21	50.87	49.55
25	---	49.97	---	48.94	---	49.13	47.80	48.68	49.51	50.24	50.87	49.65
26	---	49.97	---	48.95	49.51	---	47.90	48.78	49.50	50.23	50.90	49.73
27	---	50.10	---	49.10	---	---	47.90	48.95	49.59	50.20	50.95	49.83
28	---	50.00	---	49.15	---	---	47.93	49.05	49.64	50.21	51.00	49.83
29	---	50.03	---	49.12	---	---	47.97	49.04	49.62	50.23	51.00	49.83
30	---	50.13	---	49.19	---	---	48.05	49.06	49.57	50.30	51.00	49.75
31	---	---	---	49.13	---	49.13	---	49.10	---	50.35	51.02	---
MEAN	49.66	50.06	50.10	48.95	49.39	49.14	48.69	47.74	49.35	49.99	50.69	49.70

WTR YR 1980 MEAN 49.41 HIGH 18.88 LOW 51.03

304949083165301 Local number, 19E9.
LOCATION.—Lat 30°49'49", long 83°16'53", Hydrologic Unit 03110202, N. Oak Street, one block north of intersection with U.S. Highway 84, Valdosta, Ga.
Owner: City of Valdosta.
AQUIFER.—Principal artesian aquifer.
WELL CHARACTERISTICS.—Drilled unused municipal supply well, diameter 20 in. (50.8 cm), depth 342 ft (104.2 m), cased to 200 ft (61.0 m) open hole.
DATUM.—Altitude of land-surface datum is 217 ft (66 m), from topographic map.
Measuring point: Top of casing, 1.7 ft (0.56 m) above land-surface datum.
REMARKS.—Well pumped July 18, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted April 11, 1963.
PERIOD OF RECORD.—February 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level, 112.69 ft (34.350 m) below land-surface datum, March 9, 1964; lowest, 143.50 ft (43.739 m) below land-surface datum, October 31, 1968.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	127.61	---	126.47	---	125.09	121.64	121.81	126.26	129.60	131.71	138.75
2	---	126.69	---	126.61	---	125.07	121.80	121.47	125.75	130.45	132.50	139.51
3	---	125.74	---	128.12	---	125.89	121.90	121.85	126.76	130.96	133.37	139.88
4	---	124.73	---	127.28	---	126.22	121.05	121.93	128.30	131.25	134.53	139.48
5	---	123.95	---	127.62	---	126.21	121.17	122.08	128.02	131.41	135.21	139.72
6	---	123.94	---	127.56	---	126.44	120.75	122.35	129.02	131.91	135.86	140.14
7	---	123.91	129.21	127.23	---	125.75	120.59	122.94	128.37	131.94	136.47	140.33
8	---	123.37	128.96	127.89	---	125.89	121.04	123.19	128.23	132.27	136.82	140.16
9	---	123.69	128.58	128.04	---	125.30	120.99	121.90	128.18	133.24	137.15	140.41
10	---	123.36	127.84	128.57	---	124.85	121.10	121.81	128.94	134.00	137.11	140.94
11	---	123.36	128.20	127.73	---	124.80	120.20	122.12	130.06	134.03	136.63	140.68
12	---	123.59	128.36	127.80	---	125.10	120.07	122.08	130.63	134.47	137.35	140.97
13	---	124.16	128.03	127.49	126.25	124.67	119.96	123.31	130.99	135.33	138.45	141.08
14	---	123.42	127.47	127.23	126.10	124.26	119.78	124.88	131.56	135.75	138.08	141.19
15	125.94	122.59	127.57	127.89	125.03	123.92	120.42	124.31	131.46	135.91	137.31	141.15
16	125.23	122.79	127.55	127.87	124.87	123.47	120.62	124.22	132.40	138.05	137.24	141.39
17	125.72	123.01	127.62	128.00	125.09	122.67	120.86	123.92	133.41	137.33	137.38	142.02
18	126.39	122.96	127.75	127.52	124.74	122.53	120.59	124.47	134.16	137.28	137.42	141.34
19	125.89	123.43	127.89	127.72	125.22	123.03	120.33	124.20	133.52	137.40	137.53	140.18
20	125.91	123.85	127.94	127.62	125.50	123.01	120.45	124.14	132.53	137.28	138.19	138.47
21	126.54	123.71	127.79	127.25	125.89	122.73	120.49	124.64	132.99	136.98	138.14	138.18
22	126.85	123.47	127.85	127.07	125.40	122.20	121.04	124.07	132.64	137.35	137.72	138.57
23	127.30	123.39	127.74	127.45	125.36	122.19	121.91	124.22	132.26	138.14	137.91	138.91
24	127.98	123.50	127.23	127.71	125.24	121.76	121.76	124.38	132.57	137.24	137.59	139.81
25	128.02	123.33	126.72	127.13	124.78	122.73	121.15	123.68	132.88	135.60	137.27	139.55
26	127.21	123.55	127.39	126.57	125.65	122.50	121.11	123.93	131.64	134.60	137.53	140.07
27	127.35	123.93	127.82	---	125.53	122.69	120.89	124.33	130.61	133.02	138.40	139.56
28	126.66	123.56	127.82	---	125.84	122.08	120.97	125.19	130.63	132.62	138.38	139.07
29	125.36	122.70	127.58	---	125.42	122.07	120.76	125.86	130.44	132.47	138.51	137.76
30	125.73	---	126.94	---	---	121.98	121.51	125.27	129.53	132.78	139.24	137.56
31	125.94	---	126.91	---	---	121.72	---	125.64	---	132.43	139.29	---
MEAN	126.47	123.84	127.79	127.52	125.41	123.83	120.90	123.55	130.49	134.29	136.98	139.89

WTR YR 1980 MEAN 128.66 HIGH 119.78 LOW 142.02

MCINTOSH COUNTY

313826081152601 Local number, 35M13.

LOCATION.--Lat 31°38'26", long 81°15'26", Hydrologic Unit 03060204, 8.5 mi (13.6 km) east of U.S. Highway 17 at Harris Neck Wildlife Refuge.

Owner: U.S. Department of the Interior, Fish and Wildlife Service.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 10 in. (25.4 cm), depth 553 ft (162.4 m), cased to 376 ft (114.6 m), open hole.

DATUM.--Altitude of land-surface is 16.3 ft (4.97 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.2 ft (0.98 m) above land-surface datum.

REMARKS.--Well pumped August 3, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 16, 1976.

PERIOD OF RECORD.--September 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.35 ft (1.326 m) below land-surface datum, October 4, 1966; lowest, 18.57 ft (5.660 m) below land-surface datum, September 4, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.50	17.55	17.88	17.45	17.30	17.00	---	16.68	16.80	17.00	17.70	18.28
2	17.45	17.52	17.97	17.60	17.37	17.30	16.95	16.70	16.80	17.05	17.68	18.30
3	17.50	17.55	17.90	17.58	17.37	17.35	16.90	16.70	16.80	17.17	17.68	18.50
4	17.38	17.60	17.88	17.42	17.40	17.30	16.88	16.70	16.85	17.30	17.80	18.57
5	17.45	17.60	17.78	17.60	17.45	17.25	17.05	16.70	16.78	17.35	17.90	18.38
6	17.45	17.60	17.55	17.72	17.35	17.15	---	16.60	16.78	17.30	17.90	18.32
7	17.60	17.70	17.75	17.65	17.48	17.15	---	16.70	16.90	17.12	17.85	18.30
8	17.65	17.77	18.00	17.75	17.50	17.10	---	16.72	16.82	17.17	17.82	18.28
9	17.65	17.55	17.95	17.65	17.25	16.80	---	16.55	16.58	17.22	17.77	18.28
10	17.65	17.60	17.95	17.65	17.10	---	---	16.60	16.62	17.22	17.85	18.30
11	17.50	17.70	17.97	17.50	17.20	---	---	16.68	16.75	17.15	17.90	18.35
12	17.58	17.70	17.95	17.65	17.30	---	---	16.70	16.67	17.15	17.98	18.35
13	17.67	17.68	17.87	17.38	17.35	---	---	16.65	16.67	17.20	18.00	18.38
14	17.67	17.80	17.87	17.30	17.30	---	---	16.55	16.75	17.20	18.05	18.45
15	17.67	17.80	17.70	17.45	17.22	---	---	16.55	16.80	17.08	18.12	18.38
16	17.60	17.82	17.65	17.40	16.93	---	---	16.50	16.95	17.32	18.20	18.35
17	17.62	17.80	17.75	17.25	17.00	---	---	16.50	17.02	17.35	18.18	18.50
18	17.65	17.82	17.85	17.18	17.15	17.20	16.82	16.62	16.93	17.45	18.10	18.55
19	17.65	17.85	17.75	17.27	17.03	17.15	16.75	16.75	16.88	17.58	18.15	18.52
20	17.70	17.90	17.82	17.35	16.98	17.05	16.80	16.70	16.90	17.65	18.07	18.40
21	17.72	17.88	17.70	17.28	17.08	17.00	16.75	16.75	16.93	17.65	17.95	18.30
22	17.65	17.85	17.60	17.15	17.20	17.10	16.80	16.80	16.93	17.60	17.85	18.25
23	17.55	17.78	17.67	17.22	17.20	17.15	16.90	16.75	16.90	17.48	17.90	18.28
24	17.60	17.82	17.60	17.40	17.25	17.10	16.80	16.65	16.92	17.58	17.88	18.23
25	17.58	17.67	17.80	17.45	17.20	17.20	16.82	16.53	16.98	17.53	17.94	18.25
26	17.58	17.80	17.82	17.30	17.55	---	16.80	16.45	16.95	17.40	17.95	18.30
27	17.63	17.93	17.80	17.15	17.40	---	16.65	16.62	17.05	17.30	18.05	18.25
28	17.60	17.75	17.72	17.27	17.28	---	16.78	16.75	17.05	17.35	18.15	18.10
29	17.62	17.92	17.68	17.32	17.18	---	16.68	16.75	17.10	17.45	18.15	18.15
30	17.72	17.90	17.45	17.35	---	---	16.65	16.80	17.00	17.55	18.25	18.07
31	17.63	---	17.40	17.18	---	16.91	---	16.80	---	17.57	18.20	---
MEAN	17.60	17.74	17.78	17.42	17.25	17.13	16.81	16.66	16.86	17.34	17.97	18.33

WTR YR 1980 MEAN 17.44 HIGH 16.45 LOW 18.57

MILLER COUNTY

310651084404501 Local number 8G1.

LOCATION.—Lat 31°06'51", long 84°40'45", Hydrologic Unit 03130010, 1 mi (1.6 km) northeast of Boykin, Ga.
Owner: Jack Fleet.

AQUIFER.—Principal artesian aquifer.

WELL CHARACTERISTICS.—Drilled unused irrigation well, diameter 12 in. (30.5 cm), depth 255 ft (77.7 m), cased to 130 ft (39.6 m), open hole.

DATUM.—Altitude of land-surface datum is 150 ft (46 m), from topographic map.
Measuring point: Top front edge of recorder shelter, 3.0 ft (0.91 m) above land-surface datum.

REMARKS.—None.

PERIOD OF RECORD.—February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 14.20 ft (4.328 m) below land-surface datum, March 17, 1978; lowest, 40.28 ft (12.277 m) below land-surface datum, November 5, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	32.22	26.20	31.60	29.25	27.08	15.25	---	20.99	26.97	---	37.92
2	---	32.37	26.60	31.70	29.54	27.36	14.92	---	21.46	27.12	---	37.60
3	---	32.65	26.95	31.76	29.73	27.68	14.85	---	21.99	27.35	---	37.45
4	---	32.90	27.20	31.78	29.70	27.70	14.54	---	21.85	27.66	---	37.50
5	---	33.02	27.40	31.95	29.64	27.76	14.60	---	22.69	28.18	---	37.78
6	---	34.14	27.60	32.07	29.60	27.98	13.75	---	23.29	29.42	---	38.68
7	---	34.72	28.00	32.07	29.20	28.14	13.60	---	23.40	31.20	---	39.47
8	24.98	34.18	28.40	32.15	28.98	27.02	13.60	---	23.26	31.73	---	39.20
9	25.20	33.85	28.65	32.23	28.92	23.91	13.58	---	23.91	31.13	---	38.70
10	25.60	33.70	28.85	32.27	28.82	20.83	13.58	---	24.30	30.60	---	38.65
11	26.05	29.70	29.00	32.19	28.37	19.12	13.62	---	24.28	31.60	---	38.55
12	26.50	23.14	29.05	32.25	28.10	18.12	13.62	---	25.27	32.40	---	38.42
13	26.95	19.80	29.25	32.22	28.02	17.48	13.62	---	26.55	31.77	---	38.40
14	27.45	19.00	29.45	32.19	27.94	16.82	13.68	---	25.90	30.82	---	38.40
15	28.40	18.85	29.70	32.25	28.00	16.24	13.80	---	25.65	31.50	---	38.80
16	28.70	19.05	29.80	32.22	28.00	15.88	13.86	---	25.60	32.74	---	39.64
17	28.75	19.40	30.05	32.23	27.75	15.78	13.94	17.55	26.41	33.18	---	39.76
18	29.55	19.85	30.20	32.26	27.50	15.84	14.02	17.70	27.65	33.23	---	39.20
19	29.95	20.36	30.25	32.32	27.47	15.88	14.10	18.00	28.02	32.68	---	38.76
20	30.30	20.90	30.35	32.30	27.38	15.87	14.17	18.35	28.10	32.08	---	38.62
21	30.10	21.40	30.50	32.25	27.08	15.90	14.25	18.25	27.09	31.78	---	38.53
22	30.15	21.88	30.60	32.18	26.97	16.00	14.34	18.30	26.79	31.63	---	38.42
23	30.35	22.38	30.70	32.20	26.82	16.03	14.44	18.45	26.82	31.54	---	38.42
24	30.60	22.88	30.75	32.07	26.66	16.10	14.54	18.55	27.04	31.53	---	38.70
25	30.99	23.30	30.85	32.08	26.54	16.24	14.65	18.65	26.89	31.52	---	39.04
26	31.30	23.96	31.00	31.72	26.28	16.38	14.75	18.80	26.71	31.50	---	39.17
27	31.53	24.60	31.10	29.98	26.66	16.29	14.85	19.00	26.77	31.53	39.07	39.62
28	31.64	24.95	31.30	28.04	26.78	16.48	14.88	19.25	26.92	31.57	39.18	39.87
29	31.70	25.45	31.30	26.85	26.92	16.60	14.95	20.26	26.92	31.67	39.00	39.58
30	31.90	25.85	31.30	27.92	---	16.28	15.01	20.58	26.90	---	38.43	39.10
31	32.08	---	31.40	28.82	---	15.70	---	20.61	---	---	38.18	---
MEAN	29.20	26.02	29.48	31.49	28.02	19.69	14.25	18.82	25.31	30.95	38.77	38.73

WTR YR 1980 MEAN 27.04 HIGH 13.58 LOW 39.87

RANDOLPH COUNTY

314602084473701 Local number, 7N1.

LOCATION.--Lat 31°46'02", long 84°47'37", Hydrologic Unit 03110204, south of intersection of College and Andrew Streets, near electric substation.

Owner: City of Cuthbert.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 8 in. (20.3 cm), depth 372 ft (113.4 m), casing depth unknown.

DATUM.--Altitude of land-surface datum is 460 ft (140 m), from topographic map.

Measuring point: Floor of recorder shelter, 3.30 ft (1.006 m) above land-surface datum.

REMARKS.--Well pumped and sounded June 22, 1978, to a depth of 372 ft (113.4 m); water-quality sample collected at conclusion of pumping. Well near city wells.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 132.0 ft (40.23 m) below land-surface datum, December 10, 1967; lowest, 153.94 ft (46.921 m) below land-surface datum, September 8, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	143.24	144.22	143.56	142.12	143.75	143.68	148.20	148.61	150.79
2			---	143.55	144.93	142.38	142.01	144.04	144.05	148.15	149.33	151.75
3			---	143.71	144.21	143.88	142.61	143.71	144.64	148.00	149.19	153.40
4			---	143.52	144.04	141.84	141.91	143.49	144.84	147.65	149.82	152.23
5			---	143.73	143.81	142.49	142.64	143.76	145.38	149.02	149.91	151.54
6			---	143.83	143.66	141.27	141.85	144.00	145.53	150.12	150.52	153.51
7			---	143.87	143.98	142.39	142.40	143.96	145.67	149.42	151.78	153.92
8			---	143.63	144.16	142.61	141.76	144.00	145.60	146.13	152.15	153.94
9			---	143.72	142.95	142.03	142.06	144.00	146.04	147.58	149.78	151.96
10			---	143.94	142.49	141.90	141.58	143.83	146.82	149.53	149.43	153.04
11			---	143.51	143.42	142.00	142.45	143.74	147.50	149.57	149.41	151.75
12			---	143.35	143.59	135.80	141.10	144.13	147.81	150.21	149.25	152.08
13			---	143.05	142.95	142.34	141.36	144.26	147.98	150.12	149.45	152.31
14			---	143.37	143.19	141.85	142.02	144.33	148.37	152.36	149.44	152.63
15			---	143.50	143.41	140.84	141.68	144.10	148.54	151.81	149.25	152.70
16			---	143.42	142.23	140.61	142.39	143.93	149.31	151.80	149.04	152.57
17			---	143.31	143.16	140.75	142.31	143.69	149.58	148.91	149.26	151.76
18			---	143.26	143.05	140.95	141.29	143.63	149.12	146.30	149.79	151.59
19			---	143.45	142.89	141.93	141.26	143.78	149.12	146.67	149.73	151.69
20			144.30	143.05	142.97	142.41	141.55	143.74	148.54	146.06	149.98	151.79
21			143.67	143.40	142.61	142.12	141.55	144.17	148.17	146.14	150.05	150.90
22			143.68	143.60	142.96	142.13	142.16	143.68	148.35	146.10	'50.02	151.29
23			143.29	143.76	142.79	142.17	142.15	143.47	148.54	146.88	150.29	152.35
24			143.40	143.47	142.25	141.91	142.36	143.43	148.26	146.06	150.40	152.51
25			143.03	143.57	142.52	142.00	143.28	143.20	147.83	146.00	150.36	151.66
26			143.61	143.10	142.59	141.87	143.72	143.49	148.05	146.76	150.42	152.34
27			143.76	142.73	143.39	142.60	143.55	143.68	148.17	148.69	150.83	152.72
28			143.82	143.01	143.20	142.35	143.98	144.22	148.05	149.09	153.16	151.41
29			143.44	143.51	142.39	141.71	144.02	143.94	147.43	148.95	153.76	150.26
30			143.19	143.27	---	141.42	143.87	143.77	147.84	148.91	153.44	149.17
31			143.28	143.56	---	141.83	---	143.76	---	149.05	150.10	---
MEAN			143.54	143.45	143.24	141.80	142.30	143.83	147.29	148.39	150.26	152.05

WTR YR 1980 MEAN 145.75 HIGH 135.80 LOW 153.94

SPALDING COUNTY

331507084171801 Local number, 11AA1.
LOCATION.--Lat 33°15'07", long 84°17'18", Hydrologic Unit 03070103, University of Georgia Experiment Station, Experiment, Ga.
Owner: University of Georgia.
AQUIFER.--Residuum.
WELL CHARACTERISTICS.--Dug unused water-table well, size 4 x 4 ft (1.2 x 1.2 m), depth 30 ft (9.1 m), open hole.
DATUM.--Altitude of land-surface datum is 960 ft (293 m), from topographic map.
Measuring point: Hole in floor of recorder shelter, 3.1 ft (0.94 m) above land-surface datum.
REMARKS.--None.
PERIOD OF RECORD.--October 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.26 ft (2.518 m) below land-surface datum, March 19, 1948; lowest, 21.08 ft (6.425 m) below land-surface datum, December 8, 1943.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.73	17.34	16.91	17.60	16.27	15.14	11.18	11.71	11.85	13.11	14.82	16.57
2	16.69	17.34	16.91	17.64	16.21	15.17	11.14	11.80	11.92	13.18	14.87	16.61
3	16.76	17.38	16.90	17.66	16.16	15.24	11.11	11.88	11.99	13.23	14.94	16.67
4	16.73	17.43	16.83	17.62	16.15	15.19	11.05	11.37	12.05	13.29	15.02	16.73
5	16.67	17.45	16.77	17.67	16.12	15.14	11.10	11.86	12.13	13.34	15.11	16.78
6	16.64	17.45	16.73	17.69	16.05	15.21	11.08	12.06	12.21	13.39	15.17	16.82
7	16.63	17.46	16.83	17.65	16.11	15.18	11.08	12.14	12.28	13.46	15.21	16.86
8	16.63	17.47	16.91	17.66	16.09	14.99	11.09	12.18	12.33	13.53	15.25	16.92
9	16.60	17.48	16.94	17.69	15.97	14.79	11.12	12.28	12.41	13.58	15.30	16.98
10	16.59	17.53	16.92	17.70	15.87	14.59	11.19	12.38	12.50	13.62	15.37	17.02
11	16.60	17.54	16.94	17.59	15.80	14.54	11.29	12.42	12.63	13.66	15.45	17.08
12	16.62	17.50	16.96	17.64	15.73	14.34	11.28	12.47	12.71	13.73	15.51	17.14
13	16.66	17.48	16.96	17.58	15.68	13.83	11.29	12.54	12.79	13.79	15.57	17.20
14	16.76	17.51	17.03	17.54	15.60	13.69	11.20	12.59	12.83	13.88	15.63	17.23
15	16.78	17.51	17.07	17.57	15.48	13.54	11.20	12.65	12.91	13.96	15.70	17.27
16	16.79	17.50	17.07	17.55	15.38	13.36	11.26	12.75	12.98	13.99	15.76	17.33
17	16.84	17.52	17.16	17.50	15.44	13.19	11.27	12.76	13.06	14.05	15.85	17.39
18	16.89	17.53	17.19	17.36	15.43	13.14	11.24	12.79	13.10	14.09	15.90	17.46
19	16.92	17.57	17.19	17.25	15.34	12.99	11.25	12.79	13.16	14.13	15.95	17.52
20	16.97	17.59	17.26	17.09	15.30	12.78	11.23	12.48	13.21	14.17	15.99	17.56
21	17.01	17.60	17.32	16.94	15.32	12.70	11.19	12.17	13.26	14.21	16.05	17.59
22	17.02	17.61	17.32	16.78	15.31	12.75	11.26	11.99	13.32	14.22	16.13	17.62
23	17.03	17.60	17.36	16.69	15.27	12.70	11.27	11.79	13.36	14.27	16.19	17.67
24	17.08	17.62	17.34	16.64	15.26	12.59	11.30	11.68	13.33	14.34	16.22	17.72
25	17.13	17.50	17.36	16.56	15.21	12.67	11.40	11.61	13.17	14.40	16.25	17.77
26	17.18	17.36	17.48	16.52	15.29	12.70	11.45	11.63	13.04	14.45	16.29	17.83
27	17.20	17.25	17.52	16.45	15.18	12.71	11.50	11.71	13.03	14.49	16.34	17.87
28	17.20	17.08	17.58	16.41	15.12	12.37	11.58	11.72	13.03	14.55	16.39	17.91
29	17.25	17.01	17.58	16.38	15.17	11.72	11.59	11.73	13.02	14.62	16.43	17.91
30	17.30	16.96	17.52	16.32	---	11.29	11.65	11.77	13.04	14.70	16.48	17.82
31	17.33	---	17.56	16.26	---	11.17	---	11.82	---	14.78	16.53	---
MEAN	16.88	17.44	17.14	17.20	15.63	13.59	11.26	12.11	12.76	13.94	15.73	17.30

WTR YR 1980 MEAN 15.08 HIGH 11.05 LOW 17.91

WAYNE COUNTY

313701081543501 Local number, 30L3.

LOCATION.--Lat 31°37'01", long 81°54'35", Hydrologic Unit 03070106, about 0.5 mi (0.8 km) west of Jesup city limits near intersection of Highway 341 and Sunset Drive.

Owner: Homer Johnson.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in. (10.1 cm), depth 584 ft (178.0 m), cased to 472 ft (143.9 m), open hole.

DATUM.--Altitude of land-surface datum is 107 ft (33 m), from topographic map.

Measuring point: Floor of recorder shelter, 2.88 ft (0.878 m) above land-surface datum.

REMARKS.--Borehole geophysical survey conducted August 19, 1963.

PERIOD OF RECORD.--January 1964 to March 1967. February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 59.98 ft (18.282 m) below land-surface datum, April 19, 1964; lowest 82.50 ft (25.146 m) below land-surface datum, August 31, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80.83	81.17	81.43	78.70	80.85	80.85	80.53	79.15	80.23	80.93	81.53	81.60
2	80.85	81.17	81.43	78.93	80.93	80.87	80.37	79.27	80.32	81.04	81.60	79.97
3	81.05	81.23	81.43	79.17	80.90	81.05	80.40	79.35	80.48	81.14	81.53	78.63
4	81.10	81.35	81.20	79.27	80.97	81.13	80.35	79.40	80.50	81.23	81.73	77.60
5	81.05	81.40	81.03	79.43	81.03	80.97	80.37	79.45	80.45	81.27	81.83	76.83
6	81.13	81.35	80.83	79.58	80.87	81.03	80.47	79.43	80.54	81.22	81.93	76.17
7	81.25	81.27	80.93	79.65	80.97	81.00	80.47	79.53	80.60	81.11	82.05	75.63
8	81.37	81.20	81.15	79.75	81.03	80.85	80.45	79.55	80.58	81.22	82.07	75.20
9	81.43	80.97	81.33	79.68	80.75	80.77	80.37	79.60	80.62	81.28	82.07	74.97
10	81.37	80.80	81.37	79.55	80.63	80.73	80.35	79.73	80.65	81.26	82.10	75.15
11	81.36	80.87	81.41	79.70	80.67	80.75	80.45	79.80	80.73	81.27	82.05	75.23
12	81.45	81.00	81.44	79.83	80.65	80.75	80.45	79.90	80.93	81.24	82.05	75.75
13	81.27	81.10	81.37	80.00	80.67	80.63	80.33	79.95	80.92	81.25	81.97	76.47
14	81.37	81.20	81.35	80.15	80.75	80.85	79.43	79.87	80.85	81.40	82.07	76.87
15	81.53	81.35	81.37	80.33	80.73	80.93	77.75	79.91	80.84	81.43	82.13	77.15
16	81.57	81.35	81.25	80.38	80.53	80.90	76.30	79.94	80.87	81.51	82.13	77.65
17	81.60	81.35	81.33	80.37	80.57	80.73	75.47	80.04	80.88	81.52	82.10	78.35
18	81.63	81.33	80.75	80.38	80.77	80.70	74.77	80.13	80.88	81.13	82.13	79.17
19	81.50	81.35	79.43	80.54	80.75	80.80	74.20	80.10	80.89	81.76	82.15	79.80
20	81.37	81.45	78.73	80.64	80.65	80.70	73.93	79.98	80.85	81.85	82.15	80.10
21	81.25	81.47	78.63	80.55	80.65	80.47	75.05	80.03	80.94	81.90	82.05	80.30
22	81.13	81.40	78.47	80.35	80.65	80.55	76.03	80.02	81.04	81.87	82.03	80.50
23	80.97	81.33	77.80	80.15	80.65	80.65	76.93	79.98	81.05	81.82	82.13	80.70
24	80.97	81.30	76.65	80.31	80.70	80.60	77.45	79.82	80.94	81.76	82.20	80.85
25	80.95	81.15	75.85	80.38	80.63	80.63	77.93	79.65	80.94	81.74	82.20	80.97
26	80.90	81.05	75.35	80.43	80.80	80.67	78.25	79.80	80.95	81.76	82.25	81.20
27	80.90	81.23	75.03	80.46	80.85	80.67	78.43	80.12	81.03	81.74	82.43	81.27
28	80.87	81.13	75.57	80.65	80.77	80.57	78.63	80.13	81.01	81.59	82.49	81.31
29	80.95	81.25	76.70	80.76	80.87	80.60	78.83	80.10	80.92	81.55	82.48	81.33
30	81.00	81.37	77.57	80.77	---	80.45	79.00	80.15	80.87	81.47	82.49	81.35
31	81.10	---	78.30	80.70	---	80.43	---	80.23	---	81.40	82.50	---
MEAN	81.20	81.23	79.56	80.05	80.77	80.75	78.46	79.81	80.78	81.44	82.09	78.60

WTR YR 1980 MEAN 80.40 HIGH 73.93 LOW 82.50

WAYNE COUNTY

313055081521901 Local number, 31L1.

LOCATION.--Lat 31°30'55", long 81°52'19", Hydrologic Unit 03070106, about 6 mi (9.6 km) south of Jesup near Penholoway Creek on Walker Creek.

Owner: Brunswick Pulp and Paper, Justice Mears #2.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused oil test well, diameter 6 in. (15.2 cm), depth 691 ft (210.6 m), cased to 587 ft (178.9 m), open hole.

DATUM.--Altitude of land-surface datum is 55 ft (17 m), from topographic map.

Measuring point: Top of 6 in. (15.2 cm) casing at land-surface datum.

REMARKS.--Well pumped and water quality sampled, August 2, 1978.

PERIOD OF RECORD.--February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.30 ft (4.663 m) below land-surface datum, December 16, 1977; lowest, 26.50 ft (8.077 m) below land-surface datum, August 29, 31, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.05	25.40	25.55	23.20	24.90	24.80	24.53	23.17	24.18	25.02	25.80	26.07
2	25.05	25.33	25.63	23.45	24.97	24.85	24.47	23.30	24.24	25.17	25.77	25.30
3	25.20	25.35	25.65	23.67	24.95	25.03	24.40	23.35	24.33	25.17	25.83	24.53
4	25.23	25.50	25.47	23.56	24.97	25.05	24.33	23.43	24.37	25.19	25.85	23.83
5	25.25	25.55	25.30	23.75	25.03	24.97	24.35	23.45	24.37	25.23	25.97	23.23
6	25.27	25.50	25.05	23.93	24.90	24.97	24.45	23.43	24.39	25.19	26.05	22.63
7	25.35	25.43	25.10	23.99	24.95	25.00	24.45	23.50	24.38	25.16	26.17	22.15
8	25.45	25.37	25.33	24.03	25.05	24.90	24.40	23.53	24.44	25.22	26.10	21.77
9	25.49	25.27	25.45	24.12	24.80	24.80	24.33	23.57	24.52	25.28	26.07	21.55
10	25.45	25.15	25.50	24.13	24.67	24.70	24.30	23.65	24.59	25.27	26.10	21.53
11	25.42	25.15	25.50	24.04	24.83	24.70	24.35	23.75	24.65	25.26	26.13	21.60
12	25.48	25.20	25.50	24.17	24.85	24.70	24.35	23.83	24.84	25.27	26.10	21.85
13	25.47	25.25	25.43	24.22	24.90	24.57	24.23	23.80	24.88	25.27	26.07	22.25
14	25.55	25.37	25.45	24.25	24.90	24.83	23.90	23.78	24.84	25.35	26.13	22.53
15	25.65	25.50	25.47	24.42	24.80	24.95	23.17	23.83	24.83	25.48	26.15	22.67
16	25.63	25.45	25.37	24.48	24.57	24.93	22.30	23.95	24.93	25.48	26.15	22.97
17	25.63	25.45	25.45	24.46	24.73	24.73	21.60	23.96	24.93	25.51	26.17	23.40
18	25.67	25.45	25.33	24.47	24.90	24.67	21.03	23.98	24.90	25.60	26.20	23.85
19	25.64	25.50	24.70	24.63	24.83	24.80	20.57	24.03	24.93	25.70	26.17	24.23
20	25.57	25.55	24.20	24.68	24.73	24.65	20.23	23.90	24.95	25.82	26.13	24.47
21	25.54	25.55	24.05	24.64	24.73	24.43	20.40	23.93	24.92	25.84	26.10	24.63
22	25.45	25.50	23.87	24.44	24.75	24.53	21.00	23.95	25.00	25.81	26.07	24.80
23	25.33	25.43	23.55	24.32	24.73	24.60	21.50	23.94	25.10	25.78	26.17	24.93
24	25.27	25.45	22.85	24.47	24.75	24.50	21.87	23.84	25.02	25.78	26.25	25.07
25	25.29	25.33	22.17	24.50	24.70	24.45	22.17	23.67	24.94	25.78	26.30	25.23
26	25.33	25.30	21.80	24.48	24.90	24.57	22.45	23.75	24.94	25.78	26.30	25.36
27	25.35	25.45	21.57	24.53	24.90	24.65	22.57	24.00	25.05	25.77	26.37	25.50
28	25.27	25.30	21.63	24.66	24.80	24.57	22.75	24.10	25.08	25.71	26.43	25.53
29	25.20	25.40	22.07	24.80	24.83	24.53	22.37	24.13	25.00	25.73	26.50	25.53
30	25.30	25.50	22.47	24.85	---	24.35	23.00	24.20	24.96	25.73	26.47	25.50
31	25.35	---	22.87	24.75	---	24.37	---	24.18	---	25.77	26.50	---
MEAN	25.39	25.40	24.37	24.26	24.84	24.71	22.99	23.77	24.75	25.49	26.15	23.82

WTR YR 1980 MEAN 24.66 HIGH 20.23 LOW 26.50

WORTH COUNTY

313146083491601 Local number, 15L20.

LOCATION.--Lat 31°31'46", long 83°49'16", Hydrologic Unit 03110204, near water tank, behind VFW on U.S. Highway 82 east, Sylvester, Ga.

Owner: City of Sylvester.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 18 in. (45.7 cm), depth 450 ft (137.2 m), cased to 212 ft (64.6 m), open hole.

DATUM.--Altitude of land-surface datum is 433 ft (132 m), from topographic map.

Measuring point: Floor of recorder shelter, 2.90 ft (0.884 m) above land-surface datum.

REMARKS.--Well pumped and sounded July 19, 1978. Borehole geophysical survey conducted June 5, 1975.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 191.50 ft (58.369 m) below land-surface datum, May 17, 1973; lowest, 197.45 ft (60.183 m) below land-surface datum, August 29, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195.04	195.11	195.20	194.68	194.82	194.26	194.02	193.60	193.69	194.69	195.77	197.25
2	194.99	195.02	195.27	194.74	194.86	194.29	194.05	193.63	193.71	194.78	195.79	197.18
3	195.12	195.04	195.35	194.78	194.82	194.54	193.97	193.61	193.76	194.82	195.90	197.13
4	195.09	195.21	195.23	194.65	194.82	194.53	193.85	193.58	193.79	194.81	196.10	197.12
5	195.07	195.25	195.01	194.74	194.83	194.35	193.99	193.55	193.84	194.82	196.30	197.10
6	195.07	195.21	194.73	194.84	194.63	194.45	194.05	193.54	194.02	194.79	196.47	197.06
7	195.09	195.13	194.85	194.77	194.78	194.43	193.99	193.58	194.20	194.83	196.49	196.98
8	195.14	195.01	195.10	194.76	194.82	194.25	193.92	193.52	194.22	194.90	196.52	196.96
9	195.10	194.88	195.19	194.86	194.55	194.18	193.87	193.54	194.20	194.91	196.57	196.99
10	195.03	194.85	195.13	194.94	194.42	194.02	193.88	193.65	194.25	194.90	196.56	196.94
11	195.00	194.86	195.08	194.75	194.54	194.16	193.92	193.66	194.39	194.84	196.56	196.89
12	195.01	194.90	195.07	194.82	194.61	194.07	193.85	193.69	194.46	194.86	196.54	196.93
13	195.02	194.93	194.99	194.79	194.71	193.86	193.67	193.63	194.55	194.89	196.61	196.97
14	195.18	195.04	195.01	194.73	194.71	194.28	193.59	193.55	194.67	194.91	196.76	196.91
15	195.22	195.11	195.03	194.83	194.53	194.47	193.75	193.58	194.82	195.02	196.88	196.79
16	195.15	195.07	194.93	194.86	194.24	194.42	193.89	193.69	194.90	195.04	196.95	196.77
17	195.13	195.05	195.04	194.79	194.38	193.20	193.99	193.68	194.99	195.09	197.00	196.78
18	195.17	195.00	195.11	194.75	194.55	193.24	193.93	193.68	195.07	195.26	196.96	196.83
19	195.15	195.03	195.01	194.87	194.45	193.33	193.87	193.64	195.11	195.45	196.91	196.89
20	195.16	195.09	194.97	194.89	194.33	193.19	193.85	193.50	195.11	195.51	---	196.87
21	195.18	195.08	195.05	194.81	194.37	192.95	193.75	193.58	195.06	195.52	---	196.83
22	195.12	195.02	194.97	194.58	194.38	193.34	193.75	193.54	195.01	195.46	---	196.78
23	195.03	194.91	194.94	194.44	194.37	194.13	193.72	193.50	194.95	195.39	---	196.72
24	195.03	194.92	194.78	194.63	194.39	193.97	193.66	193.43	194.89	195.44	---	196.68
25	195.05	194.80	194.74	194.60	194.31	194.02	193.71	193.31	194.81	195.47	---	196.68
26	195.15	194.85	194.81	194.49	194.58	194.12	193.67	193.32	194.75	195.48	---	196.72
27	195.19	195.08	194.86	194.54	194.54	194.15	193.59	193.53	194.79	195.49	---	196.75
28	195.10	195.01	194.95	194.70	194.35	194.02	193.61	193.62	194.81	195.56	---	196.69
29	195.03	195.09	194.94	194.77	194.31	193.96	193.54	193.62	194.77	195.64	197.45	196.59
30	195.10	195.18	194.71	194.78	---	193.64	193.53	193.65	194.68	195.68	197.42	196.40
31	195.13	---	194.68	194.65	---	193.87	---	193.69	---	195.75	197.33	---
MEAN	195.10	195.02	194.99	194.74	194.55	193.99	193.81	193.58	194.54	195.16	196.63	196.87

WTR YR 1980   MEAN 194.87   HIGH 192.95   LOW 197.45

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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